

MMWRTM

MORBIDITY AND MORTALITY WEEKLY REPORT

- 753 National Cholesterol Education Month — September 2001
- 754 State-Specific Trends in High Blood Cholesterol Awareness Among Persons Screened — United States, 1991-1999
- 758 Prevalence of Healthy Lifestyle Characteristics — Michigan, 1998 and 2000
- 761 Outbreak of Powassan Encephalitis — Maine and Vermont, 1999-2001

National Cholesterol Education Month — September 2001

High blood cholesterol is a major risk factor for heart disease, the leading cause of death in the United States. Lowering cholesterol levels reduces the incidence of heart disease and death among persons with or without coronary heart disease. To increase awareness of the importance of monitoring cholesterol levels and taking steps to achieve or maintain healthy levels, the National Cholesterol Education Program (NCEP) sponsors National Cholesterol Education Month every September. This year, the theme is "Know your cholesterol numbers; know your risk."

In May 2001, NCEP released the *Third Report of the Expert Panel on Detection, Evaluation, and Treatment of High Blood Cholesterol in Adults, Adult Treatment Panel III* (ATP III), which recommends that adults aged ≥ 20 years have their cholesterol checked at least once every 5 years. Cholesterol levels can be lowered through lifestyle changes such as dietary improvement, increased physical activity, weight control, drug therapy, or a combination of these (1).

During September, CDC-funded state cardiovascular health programs and their collaborators will conduct programs aimed at increasing awareness and understanding of high blood cholesterol and its impact on heart disease. For example, the Montana state health department and Blue Cross Blue Shield of Montana have developed and broadcast radio public service announcements providing cholesterol education. The Arkansas state health department will provide cholesterol educational information sheets to the public and health-care professionals.

Additional information about how cholesterol may affect health and about the new ATP III guidelines is available at <<http://www.nhlbi.nih.gov/guidelines/cholesterol>>*, <<http://www.americanheart.org/cld>>, and <<http://www.cdc.gov/nccdphp/cvd>>.

References

1. National Cholesterol Education Program Expert Panel on Detection, Evaluation, and Treatment of High Blood Cholesterol in Adults. Executive summary of the third report of the National Cholesterol Education Program (NCEP) Expert Panel on Detection, Evaluation, and Treatment of High Blood Cholesterol in Adults (ATP III). *JAMA* 2001;285:2486-97.

*Reference to non-CDC sites on the Internet are provided as a service to MMWR readers and do not constitute or imply endorsement of these organizations or their programs by CDC or the U.S. Department of Health and Human Services. CDC is not responsible for the content of pages found at these sites.

State-Specific Trends in High Blood Cholesterol Awareness Among Persons Screened — United States, 1991–1999

High blood cholesterol (HBC) is a major risk factor for heart disease. One of the national health objectives for 2010 is to reduce the percentage of adults aged ≥ 20 years with total blood cholesterol levels of ≥ 240 mg/dL (objective 12–14) (1). One strategy for achieving this objective is to increase awareness of HBC. State-specific data allow state health departments to monitor progress in educating the public about awareness of cholesterol levels and the need for persons to maintain low levels of blood cholesterol. To examine state-specific trends in the proportion of screened adults who reported that they were told that they had HBC, CDC analyzed data from the Behavioral Risk Factor Surveillance System (BRFSS) for 1991 through 1999. This report summarizes the results of that analysis and indicates that approximately one fourth of screened survey participants were aware that they had HBC; this proportion increased slightly from 1991 through 1999. Awareness of HBC is a necessary step to help persons take action to lower their cholesterol level and their risk for coronary heart disease.

BRFSS is a random-digit-dialed telephone survey of the noninstitutionalized U.S. population aged ≥ 18 years. For this report, BRFSS data from 1991, 1993, 1995, 1997, and 1999 were analyzed for 412,322 persons aged ≥ 20 years from 50 states and the District of Columbia (DC). Survey participants were asked whether they had ever had their blood cholesterol checked and, if so, had a physician or other health-care provider ever told them their blood cholesterol was high. Those who reported having ever had their blood cholesterol checked were included in the analysis and those who reported they had been told they had HBC were classified as being aware they had HBC ($n=120,450$). Data were weighted to account for the age, race/ethnicity, and sex distribution and nonresponse in each state. Analyses were conducted using SUDAAN 7.0 to account for the complex sampling design and to obtain accurate variance estimates. To allow for comparisons between states, the results were age-standardized with the direct method using the U.S. 2000 standard population (2). Participation rates in BRFSS ranged from 71.4% in 1993 to 55.2% in 1999. The prevalence of cholesterol screening during the preceding 5 years increased from 67.3% in 1991 to 70.8% in 1999 (3).

Among all 50 states and DC that participated in BRFSS during 1999, the age-standardized prevalence of persons screened who were ever told that they had HBC ranged from 20.5% in Oklahoma to 33.7% in Nevada (Table 1). For the 47 states that participated in BRFSS in all years from 1991 through 1999, the age-standardized prevalence of HBC awareness among persons screened increased from 25.7% in 1991 to 28.6% in 1999 (Table 1). The age-standardized prevalence of HBC awareness among persons screened increased in DC and 38 states and ranged from a 0.1 percentage point increase in Delaware to a 7.3 percentage point increase in Florida. The increase in HBC awareness was significant in Alabama, Arkansas, California, Florida, Georgia, Iowa, Maryland, Minnesota, Mississippi, Missouri, New York, North Carolina, Ohio, South Dakota, Tennessee, Texas, and West Virginia. For eight states (Alaska, Arizona, Connecticut, Hawaii, Oklahoma, Rhode Island, South Carolina, and Vermont), the prevalence of persons screened who reported HBC decreased from 1991 to 1999 and ranged from a 5.8 percentage point decline in Oklahoma to a 0.7 percentage point decline in Connecticut. The decrease was significant in Oklahoma. In Virginia, the prevalence of reported HBC among persons who ever had their cholesterol tested remained constant at 31.0% during 1991–1999.

Trends in High Blood Cholesterol — Continued

TABLE 1. Prevalence of screened persons who were ever told they had high blood cholesterol, by reporting area — Behavioral Risk Factor Surveillance System, United States, 1991–1999

| Area | 1991* | 1993† | 1995‡ | 1997§ | 1999** | % point change | |
|----------------------|-------|-------|-------|-------|--------|----------------|-----------------|
| | | | | | | 1991 to 1999 | (95% CI††) |
| Alabama | 25.3 | 27.6 | 26.1 | 27.9 | 31.3 | 5.9 | (2.6– 9.3) |
| Alaska | 32.9 | 30.4 | 28.6 | 27.5 | 29.3 | -3.6 | (-7.5– 0.3) |
| Arizona | 26.4 | 24.2 | 26.5 | 30.7 | 23.4 | -3.0 | (-6.6– 0.6) |
| Arkansas | 25.0 | 27.5 | 26.7 | 28.7 | 29.7 | 4.7 | (1.2– 8.3) |
| California | 25.7 | 28.4 | 27.8 | 29.3 | 28.9 | 3.3 | (0.8– 5.8) |
| Colorado | 24.9 | 26.7 | 28.4 | 27.8 | 25.1 | 0.1 | (-2.9– 3.2) |
| Connecticut | 27.4 | 29.0 | 24.8 | 23.2 | 26.7 | -0.7 | (-3.7– 2.3) |
| Delaware | 29.6 | 29.2 | 29.4 | 27.8 | 29.7 | 0.1 | (-3.4– 3.6) |
| District of Columbia | 20.3 | 18.2 | NA | 18.2 | 22.1 | 1.8 | (-1.8– 5.4) |
| Florida | 22.8 | 30.4 | 28.6 | 29.8 | 30.1 | 7.3 | (4.8– 9.8) |
| Georgia | 23.4 | 26.9 | 22.5 | 24.3 | 28.7 | 5.3 | (2.0– 8.6) |
| Hawaii | 29.7 | 33.2 | 26.7 | 30.0 | 26.7 | -3.0 | (-6.4– 0.3) |
| Idaho | 25.3 | 29.1 | 26.9 | 28.4 | 28.1 | 2.8 | (-0.2– 5.7) |
| Illinois | 27.1 | 27.8 | 26.6 | 31.7 | 29.6 | 2.5 | (-1.2– 6.3) |
| Indiana | 27.2 | 30.3 | 29.6 | 27.6 | 30.3 | 3.1 | (-0.1– 6.3) |
| Iowa | 24.3 | 28.2 | 27.4 | 26.5 | 28.5 | 4.2 | (1.0– 7.5) |
| Kansas | NA | 31.5 | 31.0 | 26.1 | 25.8 | NA | |
| Kentucky | 29.5 | 31.3 | 29.1 | 29.0 | 31.1 | 1.7 | (-1.2– 4.5) |
| Louisiana | 25.4 | 26.6 | 25.9 | 26.4 | 26.2 | 0.8 | (-2.9– 4.5) |
| Maine | 26.3 | 27.4 | 28.9 | 31.1 | 29.9 | 3.6 | (-0.3– 7.5) |
| Maryland | 24.8 | 26.6 | 25.2 | 28.3 | 29.5 | 4.7 | (1.8– 7.7) |
| Massachusetts | 26.5 | 27.9 | 31.0 | 24.6 | 28.8 | 2.3 | (-0.9– 5.5) |
| Michigan | 30.6 | 29.6 | 30.8 | 30.0 | 31.2 | 0.6 | (-2.4– 3.7) |
| Minnesota | 24.8 | 26.8 | 26.8 | 29.5 | 29.4 | 4.6 | (2.3– 6.9) |
| Mississippi | 25.1 | 31.0 | 23.9 | 27.5 | 29.4 | 4.3 | (0.7– 7.9) |
| Missouri | 24.7 | 30.8 | 27.8 | 28.8 | 28.4 | 3.8 | (0.6– 6.9) |
| Montana | 27.5 | 25.8 | 27.2 | 29.2 | 28.1 | 0.6 | (-3.4– 4.7) |
| Nebraska | 23.9 | 26.2 | 26.9 | 28.6 | 25.7 | 1.8 | (-1.6– 5.2) |
| Nevada | NA | 31.6 | 28.8 | 26.7 | 33.7 | NA | |
| New Hampshire | 29.5 | 29.3 | 26.8 | 30.6 | 32.0 | 2.5 | (-1.5– 6.6) |
| New Jersey | 24.7 | 27.8 | 24.9 | 27.3 | 25.4 | 0.7 | (-2.5– 3.8) |
| New Mexico | 22.3 | 28.8 | 28.3 | 27.1 | 25.7 | 3.4 | (-0.2– 7.0) |
| New York | 24.1 | 28.4 | 25.6 | 26.8 | 27.8 | 3.7 | (0.6– 6.7) |
| North Carolina | 24.9 | 25.7 | 23.9 | 25.7 | 30.2 | 5.4 | (2.2– 8.5) |
| North Dakota | 26.0 | 30.8 | 28.5 | 28.0 | 28.3 | 2.3 | (-1.1– 5.8) |
| Ohio | 23.4 | 27.0 | 27.3 | 26.0 | 31.0 | 7.6 | (3.7– 11.4) |
| Oklahoma | 26.4 | 27.9 | 27.2 | 21.7 | 20.5 | -5.8 | (-9.1– (-2.6)) |
| Oregon | 26.1 | 28.5 | 27.9 | 30.3 | 26.5 | 0.4 | (-2.6– 3.4) |
| Pennsylvania | 25.6 | 26.2 | 28.8 | 24.3 | 26.1 | 0.5 | (-2.2– 3.2) |
| Rhode Island | 28.1 | 26.8 | 27.1 | 27.3 | 27.3 | -0.8 | (-3.7– 2.2) |
| South Carolina | 27.2 | 27.1 | 26.5 | 23.9 | 26.3 | -0.9 | (-3.8– 2.1) |
| South Dakota | 24.1 | 25.7 | 23.2 | 24.3 | 27.1 | 3.0 | (0.1– 6.0) |
| Tennessee | 24.0 | 28.4 | 26.7 | 28.9 | 28.1 | 4.1 | (1.4– 6.8) |
| Texas | 26.5 | 28.7 | 33.4 | 28.4 | 29.7 | 3.3 | (0.1– 6.5) |
| Utah | 24.8 | 28.2 | 23.0 | 26.7 | 27.7 | 2.9 | (-0.3– 6.1) |
| Vermont | 28.7 | 26.1 | 27.5 | 24.8 | 26.2 | -2.5 | (-5.7– 0.8) |
| Virginia | 31.0 | 27.3 | 29.1 | 29.3 | 31.0 | 0.0 | (-3.4– 3.3) |
| Washington | 26.5 | 28.8 | 28.7 | 24.7 | 26.8 | 0.4 | (-2.5– 3.2) |
| West Virginia | 29.6 | 32.0 | 29.7 | 29.8 | 34.2 | 4.6 | (1.5– 7.7) |
| Wisconsin | 26.4 | 31.4 | 28.9 | 25.0 | 29.4 | 3.0 | (-0.7– 6.7) |
| Wyoming | NA | NA | 27.2 | 29.0 | 29.5 | NA | |
| Total‡‡ | 25.7 | 28.3 | 27.8 | 27.6 | 28.6 | 2.9 | (2.5– 3.4) |

* Sample sizes for individual states ranged from 686 to 2387 adults aged ≥ 20 years who had their cholesterol screened in 1991.† Sample sizes for individual states ranged from 770 to 3083 adults aged ≥ 20 years who had their cholesterol screened in 1993.‡ Sample sizes for individual states ranged from 830 to 3810 adults aged ≥ 20 years who had their cholesterol screened in 1995.§ Sample sizes for individual states ranged from 1024 to 3449 adults aged ≥ 20 years who had their cholesterol screened in 1997.** Sample sizes for individual states ranged from 958 to 5274 adults aged ≥ 20 years who had their cholesterol screened in 1999.

†† Confidence interval.

‡‡ Includes 47 states with complete data from 1991 to 1999.

Trends in High Blood Cholesterol — Continued

From 1991 to 1999, HBC awareness increased among all demographic groups (Table 2). The percentage of persons who had ever had their cholesterol tested and who reported having been told that they had HBC was consistently higher for successive age groups (from 18.6% among those aged 20–44 years to 42.7% among those aged ≥65 years for 1999). Reported HBC awareness was higher in 1999 than in 1991 among non-Hispanic whites, non-Hispanic blacks, and Hispanics. Numbers for American Indians/Alaska Natives and Asians/Pacific Islanders were too low for meaningful analysis. Awareness of HBC was higher among women than men until 1999 and increased for both men and women.

Reported by the following BRFSS coordinators: S Reese, Alabama; P Owens, Alaska; R Weyant, Arizona; B Woodson, Arkansas; B David, California; D Brand, Colorado; M Adams, Connecticut; F Breukelman, Delaware; I Bullock, District of Columbia; S Oba, Florida; L Martin, Georgia; F Reyes-Salvail, Hawaii; J Aydelotte, Idaho; B Steiner, Illinois; L Stemmok, Indiana; J Igobokwe, Iowa; C Hunt, Kansas; T Sparks, Kentucky; B Bates, Louisiana; J Graber, Maine; H Lopez, Maryland; D Brooks, Massachusetts; H McGee, Michigan; N Salem, Minnesota; D Johnson, Mississippi; J Jackson-Thompson, Missouri; P Feigley, Montana; L Andelt, Nebraska; E DeJan, Nevada; J Porter, New Hampshire; G Boeselager, New Jersey; W Honey, New Mexico; C Baker, New York; Z Gizlice, North Carolina; L Shireley, North Dakota; P Pullen Cross, Ohio; K Baker, Oklahoma; K Pickle, Oregon; L Mann, Pennsylvania; J Hesser, Rhode Island; M Wu, South Carolina; M Gildemaster, South Dakota; D Ridings, Tennessee; K Condon, Texas; K Marti, Utah; C Roe, Vermont; J Hicks, Virginia; KW Simmons, Washington; F King, West Virginia; K Pearson, Wisconsin; M Futa, Wyoming. LM Henderson, Univ of North Carolina at Chapel Hill. Cardiovascular Health Br, Div of Adult and Community Health, National Center for Chronic Disease Prevention and Health Promotion, CDC.

Editorial Note: The findings in this report indicate that among persons who had their cholesterol level screened, the percentage who were told by a health-care provider that they had HBC increased significantly from 1991 to 1999. BRFSS data on cholesterol screening trends indicated an increase in the proportion of U.S. adults aged ≥20 years who were screened during the preceding 5 years for HBC from 67.3% in 1991 to 70.8% in 1999 (3). Possible reasons for this increase include improved efforts by public health

TABLE 2. Prevalence of screened persons who were ever told they had high blood cholesterol, by selected characteristics — Behavioral Risk Factor Surveillance System, United States*, 1991–1999

| Characteristic | 1991 | 1993 | 1995 | 1997 | 1999 | % point change | |
|-----------------------------------|------|------|------|------|------|----------------|-----------------------|
| | | | | | | 1991–1999 | (95% CI) [†] |
| Age group (yrs) | | | | | | | |
| 20–44 | 17.9 | 19.7 | 19.2 | 18.3 | 18.6 | 0.7 | (0.2–1.4) |
| 45–64 | 33.8 | 36.2 | 35.4 | 35.7 | 37.0 | 3.2 | (2.3–4.0) |
| ≥65 | 34.0 | 38.8 | 38.9 | 40.3 | 42.7 | 8.7 | (7.7–9.7) |
| Race/Ethnicity[‡] | | | | | | | |
| Non-Hispanic white | 25.8 | 28.2 | 28.1 | 27.6 | 28.9 | 3.1 | (2.6–3.6) |
| Non-Hispanic black | 24.6 | 28.2 | 25.9 | 26.1 | 27.2 | 2.6 | (1.0–4.3) |
| Hispanic | 23.7 | 28.5 | 26.5 | 29.6 | 27.4 | 3.7 | (1.6–5.7) |
| Other [§] | 28.9 | 30.1 | 26.8 | 27.5 | 30.6 | 1.7 | (–0.8–4.3) |
| Sex[‡] | | | | | | | |
| Women | 25.7 | 28.3 | 27.6 | 27.8 | 28.1 | 2.4 | (1.8–2.9) |
| Men | 25.4 | 27.9 | 27.7 | 27.2 | 29.0 | 3.6 | (2.9–4.3) |

* Included 47 states with no missing data (excluded District of Columbia, Kansas, Nevada, and Wyoming).

[†] Confidence interval.

[‡] Age-standardized to the 2000 population.

[§] Numbers for other race groups were too small for meaningful analysis.

Trends in High Blood Cholesterol — Continued

programs to increase awareness of cholesterol levels, increased counseling by health-care providers, or an increase in HBC prevalence. However, data from the National Health and Nutrition Examination Survey (NHANES) suggest that cholesterol levels are declining (4).

No national data allow state-level estimates of HBC based on actual blood cholesterol measurements. NHANES used directly measured cholesterol and observed decreasing cholesterol levels among adults between the 1971–1974 and 1988–1994 surveys (4). More recent data from NHANES are not available. The differences in reported HBC across demographic variables (age, sex, and race/ethnicity) in BRFSS are consistent with those measured in NHANES III (4).

The findings in this report are subject to at least two limitations. First, BRFSS data are self-reported, and some respondents may have over or underestimated their HBC status. Patients may not have been told that they had high cholesterol and may have underestimated their HBC status. However, the actual cut-point used by health-care providers is unknown, and patients with borderline high cholesterol may have been told that their cholesterol was high, which might have resulted in an overestimate of true prevalence. Second, because BRFSS is a telephone-based survey, and persons with lower socioeconomic status are less likely than more affluent persons to have a telephone, persons with lower socioeconomic status may be underrepresented.

Control of HBC requires successful implementation of multiple steps among both patients and health-care providers, including ongoing screening for HBC, knowing one's cholesterol levels, and treating and managing HBC through lifestyle changes (e.g., reduced dietary intake of saturated fat and cholesterol, increased dietary intake of viscous fiber, increased exercise, and weight control) and medical treatment as appropriate. The National Cholesterol Education Program of the National Heart, Lung, and Blood Institute recommends that all persons aged ≥ 20 years have their cholesterol checked at least once every 5 years (5). In May 2001, NCEP released the third Adult Treatment Panel (ATP III) Report, which includes updated clinical guidelines for cholesterol testing and management (6,7). The new features of ATP III focus on primary prevention among those with multiple risk factors, including an assessment of the 10-year risk for a heart attack, modifications in lipid and lipoprotein classification levels, and implementation of the treatment recommendations.

HBC is a modifiable risk factor for heart disease. The benefits of cholesterol lowering include a decrease in the incidence of coronary heart disease and a decline in mortality among those with or without coronary heart disease (8–10). HBC can be prevented or controlled with increased physical activity, adoption of diets low in saturated fats and cholesterol and high in fruits and vegetables, and with the use of drugs that lower cholesterol.

*References**

1. US Department of Health and Human Services. Healthy people 2010 (conference ed, 2 vols). Washington, DC: US Department of Health and Human Services, 2000.
2. Klein RJ, Schoenborn CA. Age adjustment using the 2000 projected U.S. population: healthy people statistical notes, no. 20. Hyattsville, Maryland: US Department of Health and Human Services, CDC, National Center for Health Statistics, 2001.
3. CDC. State-specific cholesterol screening trends—Behavioral Risk Factor Surveillance System, 1991–1999. *MMWR* 2000;49:750–5.

*All *MMWR* references are available on the Internet at <<http://www.cdc.gov/mmwr>>. Use the search function to find specific articles.

Trends in High Blood Cholesterol — Continued

4. National Center for Health Statistics. Health, United States, 2000 with adolescent health chartbook. Hyattsville, Maryland: US Department of Health and Human Services, CDC, National Center for Health Statistics, 2000.
5. Cleeman JI, Lefant C. The National Cholesterol Education Program: progress and prospects. *JAMA* 1998;280:2099-104.
6. National Cholesterol Education Program Expert Panel on Detection, Evaluation, and Treatment of High Blood Cholesterol in Adults. Executive summary of the third report of the National Cholesterol Education Program (NCEP) Expert Panel on Detection, Evaluation, and Treatment of High Blood Cholesterol in Adults (ATP III). *JAMA* 2001;285:2486-97.
7. National Cholesterol Education Program Expert Panel on Detection, Evaluation, and Treatment of High Blood Cholesterol in Adults. Third report of the National Cholesterol Education Program (NCEP) Expert Panel on Detection, Evaluation, and Treatment of High Blood Cholesterol in Adults (ATP III). Available at <<http://www.nhlbi.nih.gov>>. Accessed September 2001.
8. Scandinavian Simvastatin Survival Study Group. Randomised trial of cholesterol lowering in 4444 patients with coronary heart disease: the Scandinavian Simvastatin survival study. *Lancet* 1994;344:1383-9.
9. Long-Term Intervention with Pravastatin in Ischaemic Disease (LIPID) Study Group. Prevention of cardiovascular events and death with pravastatin in patients with coronary heart disease and a broad range of initial cholesterol levels. *N Engl J Med* 1998;339:1349-57.
10. Downs JR, Clearfield M, Weiss S, et al. Primary prevention of acute coronary events with lovastatin in men and women with average cholesterol levels: results of AFCAPS/TexCAPS. *JAMA* 1998;279:1615-22.

Prevalence of Healthy Lifestyle Characteristics — Michigan, 1998 and 2000

Most persons with chronic diseases such as cardiovascular disease, cancer, diabetes, and chronic lung disease share multiple common risk factors and lifestyle behaviors (1). Tobacco use, poor diet, and physical inactivity have been identified as the leading contributors to overall mortality in the United States, accounting for one third of all deaths (2); Michigan has a particularly high burden of chronic disease-related mortality (3). To characterize the prevalence of four healthy lifestyle characteristics (HLCs) (i.e., healthy weight, adequate fruit and vegetable consumption, regular leisure-time physical activity [LTPA], and not smoking) in Michigan residents, data were analyzed from Michigan's Behavioral Risk Factor Surveillance System (BRFSS) for 1998 and 2000. This report summarizes the results of the analysis, which indicate that the proportion of Michigan residents who engaged in all four healthy lifestyle practices was extremely low, and that the prevalence was influenced by sex, education and self-reported health status. The comprehensive assessment of HLCs may be a useful adjunct to chronic disease surveillance.

BRFSS is a random-digit-dialed telephone survey of the noninstitutionalized U.S. population aged ≥ 18 years. Data were analyzed from 4816 adults for 1998 and 2000 combined. Missing data from 502 persons resulted in a sample size of 4314. Healthy weight was defined as having a body mass index between 18.5 and 25.0. Adequate fruit and vegetable consumption was defined as eating five or more fruits and vegetables daily. Regular LTPA was defined as at least 30 minutes of physical activity five or more times per week. Not smoking was defined according to self-reported absence of current cigarette use (i.e., former or never versus current). Data were weighted to adjust for the probability of selection and the distribution of the state's population by age, race/ethnicity, and sex. Descriptive analyses, including age-adjusted prevalence estimates, were

Healthy Lifestyle Characteristics — Continued

generated for each demographic variable (age, race/ethnicity, education, and household income) and self-reported health status using SUDAAN. Data were standardized by age to the projected 2000 U.S. population. Significant differences in the adjusted odds ratios (AORs) for engaging in all four HLCs were identified using a multiple logistic regression model that contained all independent variables.

An estimated 37.9% (95% confidence interval [CI]=36.3%–39.5%) of Michigan adults had a healthy body weight, 22.8% (95% CI=21.4%–24.2%) ate the recommended amount of fruits and vegetables, 25.9% (95% CI=24.4%–27.4%) engaged in regular LTPA, and 72.3% (95% CI=70.8%–73.8%) did not smoke. Overall, 11.2% (95% CI=10.1%–12.3%) of adults engaged in none of these practices, 38.6% (95% CI=37.0%–40.2%) in one, 33.3% (95% CI=31.7%–34.9%) in two, 13.9% (95% CI=12.8%–15.0%) in three, and 3.0% (95% CI=2.5%–3.5%) in all four.

The prevalence of engaging in all four HLCs was significantly different by sex, education, and health status ($p<0.05$) (Table 1). The prevalence of engaging in all four HLCs was lower in men (age-adjusted prevalence=1.6%) than in women (age-adjusted prevalence=4.5%; AOR=0.3; 95% CI=0.2–0.5). The prevalence of engaging in all four HLCs increased with education. The prevalence in college graduates was more than three times higher than in those with a high school education or less (AOR=3.2; 95% CI=1.7–6.1). However, the age-adjusted prevalences were still very low in all three education groups (Table 1). The prevalence of engaging in all four HLCs decreased with decreasing health status. Persons reporting excellent health had a much higher age-adjusted prevalence (7.1% [95% CI=5.3%–8.9%]) than adults with fair or poor health (1.0% [95% CI=0.1%–1.9%; AOR=0.1; 95% CI=0.04–0.4]). However, the prevalence rates in all four groups were low (Table 1).

Reported by: MJ Reeves, PhD, Dept of Epidemiology, College of Human Medicine, Michigan State Univ, East Lansing; A Rafferty, PhD, H McGee, MPH, C Miller, PhD, Bur of Epidemiology, Michigan Dept of Community Health. Cardiovascular Health Br, Div of Adult and Community Health, and Physical Activity and Health Br, Div of Nutrition and Physical Activity, National Center for Chronic Disease Prevention and Health Promotion, CDC.

Editorial Note: The findings in this report document the low prevalence of healthy lifestyles in Michigan. The prevalence of HLCs in this report is consistent with that in the Nurses Health Study for a similar grouping of five healthy lifestyle behaviors (4) and is identical to that from the overall 2000 BRFSS data. When compared with other states, obesity and smoking in Michigan are higher than the national average (5). However, the daily consumption of five fruits and vegetables in Michigan is consistent with the national average, and Michigan ranked among the top 10 states for participation in regular and sustained physical activity in 2000.

Disease risk, especially that related to cardiovascular disease, has usually been examined separately. Some studies have measured disease risk more comprehensively by combining factors such as smoking, obesity, hypertension, and high blood cholesterol (6). This study used a similar approach by assessing the combination of healthy factors that reduce disease risk, which may be a useful adjunct to the more traditional risk factor surveillance method.

The findings in this report are subject to five limitations. First, data were self-reported and some responses may be considered socially undesirable. As a result, respondents may both underreport weight (7) and overreport LTPA or fruit and vegetable consumption. Second, BRFSS collects information about LTPA only and may underestimate total activity. Third, BRFSS estimates of daily fruit and vegetable consumption are similar to

Healthy Lifestyle Characteristics — Continued

TABLE 1. Age-specific and age-adjusted* prevalence of all four healthy lifestyle characteristics (HLCs)[†], and adjusted prevalence odds ratios[‡] among persons aged 18–74 years — Behavioral Risk Factor Surveillance System, Michigan, 1998 and 2000

| Characteristic | No. [§] | (%) | (95% CI ^{**}) | Odds ratio | (95% CI) |
|------------------------------------|------------------|-------|-------------------------|------------|------------|
| Age group (yrs) | | | | | |
| 18–34 | 1313 | (3.1) | (2.0–4.2) | — | |
| 35–54 | 1996 | (2.7) | (2.0–3.4) | 0.8 | (0.5–1.3) |
| 55–74 | 1005 | (3.6) | (2.4–4.8) | 1.4 | (0.8–2.4) |
| Sex^{††} | | | | | |
| Women | 2397 | (4.5) | (3.6–5.4) | — | |
| Men | 1917 | (1.6) | (1.0–2.2) | 0.3 | (0.2–0.5) |
| Race | | | | | |
| White | 3603 | (3.2) | (2.6–3.8) | — | |
| Black | 500 | (1.7) | (0.6–2.8) | 0.9 | (0.4–1.9) |
| Education^{‡‡} | | | | | |
| ≤High school | 1701 | (1.2) | (0.7–1.7) | — | |
| Some college | 1374 | (4.0) | (2.8–5.2) | 3.1 | (1.7–5.9) |
| College graduate | 1232 | (4.9) | (3.6–6.2) | 3.2 | (1.7–6.1) |
| Household income | | | | | |
| <\$35,000 | 1634 | (2.6) | (1.7–3.5) | — | |
| \$35,000–\$50,000 | 738 | (2.6) | (1.4–3.8) | 0.7 | (0.4–1.4) |
| >\$50,000 | 1516 | (3.5) | (2.5–4.5) | 0.9 | (0.5–1.4) |
| Health status^{‡‡‡} | | | | | |
| Excellent | 952 | (7.1) | (5.3–8.9) | — | |
| Very good | 1639 | (2.6) | (1.8–3.4) | 0.3 | (0.2–0.6) |
| Good | 1178 | (1.5) | (0.8–2.2) | 0.2 | (0.1–0.3) |
| Fair or poor | 538 | (1.0) | (0.1–1.9) | 0.1 | (0.04–0.4) |

* Prevalence estimates were age-adjusted using the 2000 projected U.S. population.

[†] The four HLCs were defined as having a healthy body weight (body mass index between 18.5 and 25.0), getting regular leisure-time physical activity (≥30 minutes, five or more times per week), eating fruits and vegetables five or more times per day, and not smoking.[‡] Based on results of a multiple logistic regression model containing age, sex, education, household income, and health status.[§] Unweighted sample size for subgroups and total.^{**} Confidence interval.^{††} HLC significantly different by sex after adjusting for all variables ($p < 0.0001$).^{‡‡} HLC significantly different by education after adjusting for all variables ($p < 0.0001$).^{‡‡‡} Response to the question, "Would you say that in general your health is excellent, very good, good, fair, or poor?" HLC significantly different by health status after adjusting for all variables ($p < 0.0001$).

estimates based on multiple records but are smaller than estimates based on more extensive food-frequency questionnaires (8). Fourth, the number of black respondents in this study was too small for meaningful analysis. Finally, noncoverage and nonresponse biases related to telephone survey data may affect estimates.

Findings from previous epidemiologic studies (6,9) underscore the need for comprehensive primary prevention activities to reduce the prevalence of common chronic disease risk factors. Primary prevention may be a useful strategy in promoting the adoption and maintenance of HLCs (10). Primary prevention includes addressing the underlying social determinants that lead to behavioral and physiologic risk factors by mobilizing both health-care providers and the general population to adopt new policies. These policies include regulatory, educational, and environmental changes designed to facilitate the implementation of prevention programs.

Healthy Lifestyle Characteristics — Continued

In Michigan, two initiatives sponsored by the Michigan Department of Community Health (MDCH) and the Governor's Council on Physical Fitness promote physical activity and healthy weight. First, a voluntary Exemplary Physical Education Curriculum provides school-aged children with the fitness levels, motor skills, activity-related knowledge, and personal/social skills needed for an active life. Second, environmental changes that make it easier and safer for persons to be physically active are encouraged through the "Promoting Active Communities Award," which recognizes communities that enact policies to promote physical activity. To promote a healthy diet, MDCH's 5-A-Day program provides technical support, information, and materials to local agencies to assist them in conducting local programs. MDCH also works with grocery stores to provide education materials and grocery rewards to consumers to encourage them to eat fruits and vegetables.

References

1. Brownson RC, Remington PL, Davis JR. Chronic disease epidemiology and control. 2nd ed. Washington, DC: American Public Health Association, 1998.
2. McGinnis JM, Foege WH. Actual causes of death in the United States. *JAMA* 1993;270:2207-12.
3. Hahn RA, Teutsch SM, Rothenberg RB, Marks JS. Excess deaths from nine chronic diseases in the United States, 1986. *JAMA* 1990;264:2654-9.
4. Stampfer MJ, Hu FB, Manson JE, Rimm EB, Willett WC. Primary prevention of coronary heart disease in women through diet and lifestyle. *N Engl J Med* 2000;343:16-22.
5. CDC. Chronic diseases and their risk factors: the nation's leading causes of death: a report with expanded state-by-state information. Atlanta, Georgia: US Department of Health and Human Services, CDC, 1999.
6. Yusuf HB, Giles WH, Croft JB, Anda RF, Casper ML. Impact of multiple risk factors profiles on determining cardiovascular disease risk. *Prev Med* 1998;27:1-9.
7. Rowland ML. Self-reported weight and height. *Am J Clin Nutr* 1990;52:1125-33.
8. Serdula MK, Coates RC, Byers T, et al. Evaluation of a brief telephone questionnaire to estimate fruit and vegetable consumption in diverse study populations. *Epidemiology* 1993;4:455-63.
9. Stamler J, Dyer AR, Shekelle RB, Neaton J, Stamler R. Relationship of baseline major risk factors to coronary and all-cause mortality, and to longevity: findings from long term follow-up of Chicago cohorts. *Cardiology* 1993;82:191-222.
10. Rose G. The strategy of preventive medicine. Oxford: Oxford University Press, 1992.

Outbreak of Powassan Encephalitis — Maine and Vermont, 1999-2001

Powassan (POW) virus, a North American tickborne flavivirus related to the Eastern Hemisphere's tickborne encephalitis viruses (1), was first isolated from a patient with encephalitis in 1958 (1,2). During 1958-1998, 27 human POW encephalitis cases were reported from Canada and the northeastern United States (3). During September 1999-July 2001, four Maine and Vermont residents with encephalitis were found to be infected with POW virus. These persons were tested for other arbovirus infections found in the northeast after testing for West Nile virus (WNV) infection was negative. This report describes these four cases, summarizes the results of ecologic investigations, and discusses a potential association between ticks that infest medium-sized mammals and the risk for human exposure to POW virus. The findings underscore the need for personal protective measures to prevent tick bites and continued encephalitis surveillance.

*Powassan Encephalitis — Continued***Case Reports**

Case 1. In June 2001, a 70-year-old man from Kennebec County, Maine, was taken to a local hospital with generalized muscle weakness, somnolence, diarrhea, and anorexia. On clinical examination, he had a fever of 104.7 F (40.4 C), leukocytosis of 11,500/mm³ (normal: 4,300–10,800/mm³), decreased renal function, and anemia. He subsequently developed left-sided hemiplegia and marked confusion. Cerebrospinal fluid (CSF) contained 40 white blood cells (WBCs)/mm³ (normal: <4/mm³) (87% lymphocytes) with elevated protein (96 mg/dL; normal: 20–50 mg/dL). Magnetic resonance imaging (MRI) revealed parietal changes consistent with microvascular ischemia or demyelinating disease. No causes for his apparent stroke were found. After 22 days of hospitalization, he was discharged to a rehabilitation facility. Nearly 3 months after symptom onset, he remains in the facility and is unable to move his left arm or leg. Serum specimens and CSF collected 3 days after hospitalization revealed POW virus-specific IgM; neutralizing antibody (1:640 titer) also was found in serum specimens. Although some cross-reaction with WNV and St. Louis encephalitis (SLE) virus occurred in the IgM assay, no neutralizing antibody was found.

The patient had not left Maine for 25 years. On ecologic investigation, overgrown bushes, leaf piles, and stacks of old lumber and scrap metal covered his property. Family members reported seeing woodchucks, skunks, and squirrels on the property. During the 2 weeks before illness, the patient's main activities were lying on the ground repairing a boat hull and yard work. Approximately 6 weeks after illness onset, nine medium-sized mammals were trapped on or near the patient's property. Collections from these mammals and the grassy and brushy areas of the property yielded 31 ticks (*Ixodes cookei*). Tests for POW virus infection were conducted at CDC. Of the nine mammal serum samples, four (two woodchucks and two skunks) contained neutralizing antibody to POW virus, but no virus was isolated from the ticks.

Case 2. In September 2000, a 53-year-old woman from York County, Maine, sought medical care at a local hospital for loss of balance, visual disturbance, and fever of 103 F (39.4 C). Her clinical examination showed agitation without confusion, ataxia, bilateral lateral gaze palsy, and dysarthria. CSF contained 148 WBCs/mm³ (46% neutrophils, 40% lymphocytes). During hospitalization, she developed altered mental status, generalized muscle weakness, and complete ophthalmoplegia. An electroencephalogram (EEG) indicated diffuse encephalitis, and a MRI showed bilateral temporal lobe abnormalities consistent with microvascular ischemia or demyelinating disease. After 13 days, she was transferred to a rehabilitation facility where she remained for 2 months. Nine months after onset of symptoms, she was walking and had regained her strength, but the ophthalmoplegia continued. A serum specimen collected 19 days after illness onset was positive for POW virus-specific IgM and neutralizing antibody (1:640 titer) and negative for WNV and SLE virus antibodies.

The patient had not left Maine in several months before illness onset. During two visits to a rural vacation home in the month before illness onset, the patient removed several squirrel nests but reported no contact with ticks or rodents. One month after illness onset, an ecologic evaluation of her primary home noted a well-manicured suburban property near brush and woodlands. No evidence of medium-sized mammals was found, and only three *Ix. scapularis* were collected; no POW virus was isolated. Nine months after illness onset, an ecologic evaluation of the patient's vacation home found several mammals, but none had ticks, and no serology samples were collected.

Powassan Encephalitis — Continued

Case 3. In July 2000, a 25-year-old man from Waldo County, Maine, sought medical care at a local hospital for fever of 101.3 F (38.5 C), headache, vomiting, somnolence, and confusion. On clinical examination, the patient had difficulty answering simple questions and was intermittently uncooperative. He had bilateral hand twitching, muscle weakness, and pronounced lip smacking. CSF contained 920 WBCs/mm³ (74% lymphocytes) with elevated protein (77 mg/dL). EEG showed diffuse background slowing consistent with encephalitis. After 11 days of hospitalization, he was transferred to a rehabilitation facility. When discharged home 44 days later, the patient required assistance to stand and perform daily activities. Serum specimens and CSF collected 3 days after illness onset were negative for antibody to WNV and SLE virus but positive for POW virus-specific IgM antibody. The serum sample also had neutralizing antibody (1:80 titer) to POW virus. At the time of illness onset, the patient worked as a logger and lived in rural Maine where he raised livestock.

Case 4. In September 1999, a 66-year-old man from Washington County, Vermont, sought medical care at a hospital for somnolence, severe headache, increasing confusion, and bilateral leg weakness that developed over 6 days. On clinical examination, he was afebrile but had slow speech, memory loss, a wide-based gait, and bilateral weakness in proximal lower extremities. CSF contained 54 WBCs/mm³ (95% lymphocytes) and elevated protein (67 mg/dL). An EEG showed diffuse background slowing consistent with encephalitis. When discharged home 11 days later, he could walk but had cognitive difficulties, including severe memory lapses. Serum specimens collected 19 days after illness onset contained POW virus-specific IgM and neutralizing antibody (1:640 titer) but no antibody to WNV and SLE virus. During the month before illness onset, the patient traveled frequently to a vacation home where he saw numerous squirrels and skunks.

Reported by: T Courtney, MD, Southern Maine Medical Center, Biddeford; S Sears, MD, J Woytowicz, MD, MaineGeneral Medical Center, Augusta; D Preston, MD, MaineGeneral Medical Center, Waterville; R Smith, MD, P Rand, MD, E Lacombe, M Holman, C Lubelczyk, Lyme Disease Research Laboratory, Maine Medical Center Research Institute, Portland; G Beckett, MPH, E Pritchard, MS, K Gensheimer, MD, State Epidemiologist, Maine Dept of Human Svcs. A Beelen, MD, Veterans Affairs Medical Center, White River Junction; P Tassler, PhD, Vermont Dept of Health. Arbovirus Diseases Br and Bacterial Zoonoses Br, Div of Vector-Borne Infectious Diseases, National Center for Infectious Diseases; and an EIS Officer, CDC.

Editorial Note: These four cases of POW encephalitis are the first reported in Maine and Vermont and the first in the United States since 1994 (4). Since the introduction of WNV into the northeastern United States in 1999 (5), testing for POW virus and other arboviruses that cause encephalitis has increased (CDC, unpublished data, 2001). These cases were identified as a direct result of requests for WNV testing. As surveillance continues, knowledge of the epidemiology of POW virus in the United States may increase.

In North America, POW virus has been isolated from four tick species, including *Ix. cookei*, *Ix. marxi*, *Ix. spinipalpus*, and *Dermacentor andersoni*; a variant POW virus also has been isolated from *Ix. scapularis*; and evidence of infection has been found in 38 mammal species, primarily woodchucks (1,6). Unlike *Ix. scapularis*, the primary vector for Lyme disease, *Ix. cookei* rarely search for hosts on vegetation and are often found in or near the nests or burrows of medium-sized mammals. Infections have occurred from May to December, with a peak during June–September when ticks are most active (1). Although neither the first or second patients recalled tick bites, ecologic investigations suggest that their illnesses resulted from visiting or living in areas where ticks are common. As with many infectious agents transmitted by *Ixodid* ticks, few infected persons recalled tick bites because these ticks are small and can be easily missed (3).

Powassan Encephalitis — Continued

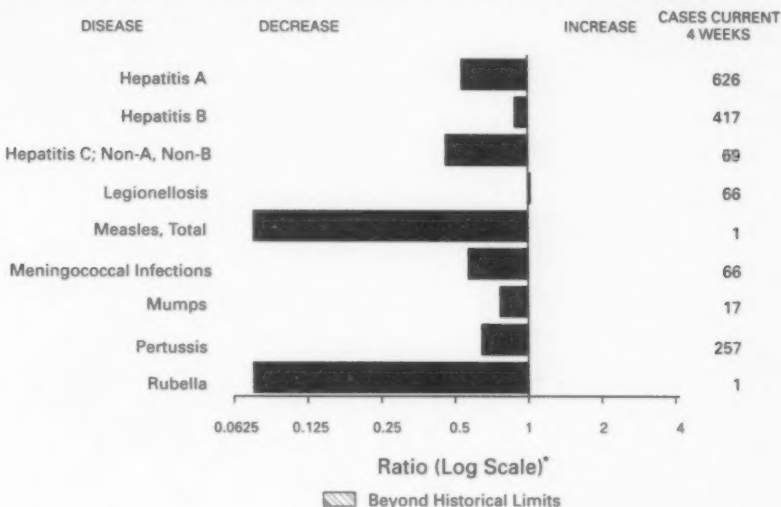
POW encephalitis is associated with significant long-term morbidity and has a case-fatality rate of 10%–15% (1,3). Because there is no vaccine or specific therapy for POW encephalitis, the best means of prevention is protection from tick bite. This includes using insect repellents, wearing light-colored clothing with long sleeves and pants tucked into socks or boots, avoiding or clearing brushy areas, and removing ticks before they attach or as soon after attachment as possible. Checking family pets also can prevent ticks from entering the home. Because *Ix. cookei* are often found on woodchucks and skunks and may be the primary vector of POW virus, environmental controls reducing human contact with small and medium-sized mammals should reduce risk for exposure to POW virus-infected ticks. Persons should keep areas adjacent to their home clear of brush, weeds, trash, and other elements that could support small and medium-sized mammals. When removing rodent nests, avoid direct contact with nesting materials and use sealed plastic bags for disposal and to prevent direct contact with ticks.

Because of the lack of awareness and the need for specialized laboratory tests to confirm diagnosis, the frequency of POW encephalitis may be greater than previously suspected. POW encephalitis should be included in the differential diagnosis of all encephalitis cases occurring in the northern United States, especially the northeast. Laboratory tests for POW virus infection are not commercially available but can be requested through state public health laboratories for testing at CDC. Awareness should be promoted among clinicians and public health staff, and tick-bite prevention strategies emphasized for the general public.

*References**

1. Artsob H. Powassan encephalitis. In: Monath T, ed. The arboviruses: epidemiology and ecology. Volume IV. Boca Raton, Florida: CRC Press, 1988:29–49.
2. McLean DM, Donohue WL. Powassan virus: isolation of virus from a fatal case of encephalitis. *Can Med Assoc J* 1958;80:708–11.
3. Gholam BIA, Puksa S, Provias JP. Powassan encephalitis: a case report with neuropathology and literature review. *Can Med Assoc J* 1999;161:1419–22.
4. CDC. Arboviral disease—United States, 1994. *MMWR* 1995;44:641–4.
5. Nash D, Mostashari F, Fine A, Miller J, O'Leary D, Murray K. The outbreak of West Nile virus infection in the New York City area in 1999. *N Engl J Med* 2001;344:1807–14.
6. Ebel GD, Spielman A, Telford SR. Phylogeny of North American Powassan virus. *J Gen Vir* 2001;82:1657–65.

*Reference to non-CDC sites on the Internet are provided as a service to *MMWR* readers and do not constitute or imply endorsement of these organizations or their programs by CDC or the U.S. Department of Health and Human Services. CDC is not responsible for the content of pages found at these sites.

FIGURE 1. Selected notifiable disease reports, United States, comparison of provisional 4-week totals ending September 1, 2001, with historical data

* Ratio of current 4-week total to mean of 15 4-week totals (from previous, comparable, and subsequent 4-week periods for the past 5 years). The point where the hatched area begins is based on the mean and two standard deviations of these 4-week totals.

TABLE 1. Summary of provisional cases of selected notifiable diseases, United States, cumulative, week ending September 1, 2001 (35th Week)*

| | Cum. 2001 | | Cum. 2001 |
|---|-----------|---|-----------|
| Anthrax | - | Poliomyelitis, paralytic | - |
| Brucellosis [†] | 53 | Psittacosis [†] | 9 |
| Cholera | 3 | Q fever [†] | 15 |
| Cyclosporiasis [†] | 108 | Rabies, human | 1 |
| Diphtheria | 1 | Rocky Mountain spotted fever (RMSF) | 319 |
| Ehrlichiosis: human granulocytic (HGE) [†] | 127 | Rubella, congenital syndrome | - |
| Encephalitis: human monocytic (HME) [†] | 54 | Streptococcal disease, invasive, group A | 2,572 |
| California serogroup viral [†] | 26 | Streptococcal toxic-shock syndrome [†] | 44 |
| eastern equine [†] | 4 | Syphilis, congenital [†] | 161 |
| St. Louis [†] | 1 | Tetanus | 17 |
| western equine [†] | - | Toxic-shock syndrome | 82 |
| Hansen disease (leprosy) [†] | 51 | Trichinosis | 14 |
| Hantavirus pulmonary syndrome [†] | 5 | Tularemia [†] | 71 |
| Hemolytic uremic syndrome, postdiarrheal [†] | 76 | Typhoid fever | 170 |
| HIV infection, pediatric [†] | 98 | Yellow fever | - |
| Plague | 2 | | |

-: No reported cases.

* Incidence data for reporting year 2001 are provisional and cumulative (year-to-date).

[†] Not notifiable in all states.

[†] Updated monthly from reports to the Division of HIV/AIDS Prevention — Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention (NCHSTP). Last update June 26, 2001.

[†] Updated from reports to the Division of STD Prevention, NCHSTP.

TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending September 1, 2001, and September 2, 2000 (35th Week)*

| Reporting Area | AIDS | | Chlamydia ^b | | Cryptosporidiosis | | Escherichia coli O157:H7 ^c | | PHLIS | |
|----------------|------------------------|-----------|------------------------|-----------|-------------------|-----------|---------------------------------------|-----------|-----------|-----------|
| | Cum. 2001 [†] | Cum. 2000 | Cum. 2001 [†] | Cum. 2000 | Cum. 2001 | Cum. 2000 | Cum. 2001 | Cum. 2000 | Cum. 2001 | Cum. 2000 |
| UNITED STATES | 19,145 | 26,250 | 449,858 | 463,520 | 1,422 | 1,534 | 1,565 | 2,925 | 1,343 | 2,552 |
| NEW ENGLAND | 746 | 1,420 | 14,977 | 15,576 | 69 | 94 | 164 | 260 | 157 | 286 |
| Maine | 20 | 25 | 968 | 965 | 11 | 13 | 21 | 18 | 22 | 25 |
| N.H. | 17 | 25 | 809 | 678 | 4 | 11 | 24 | 23 | 21 | 31 |
| Vt. | 10 | 27 | 399 | 358 | 25 | 18 | 11 | 27 | 5 | 29 |
| Mass. | 411 | 890 | 6,857 | 6,616 | 22 | 27 | 84 | 123 | 77 | 126 |
| R.I. | 53 | 62 | 1,942 | 1,700 | 3 | 2 | 9 | 11 | 7 | 12 |
| Conn. | 235 | 391 | 4,302 | 5,259 | 4 | 13 | 15 | 58 | 25 | 63 |
| MID. ATLANTIC | 3,974 | 5,811 | 49,973 | 43,325 | 164 | 230 | 113 | 304 | 122 | 210 |
| Upstate N.Y. | 322 | 607 | 8,902 | 976 | 66 | 61 | 87 | 187 | 85 | 39 |
| N.Y. City | 1,996 | 3,136 | 19,132 | 17,836 | 65 | 120 | 8 | 19 | 8 | 14 |
| N.J. | 960 | 1,153 | 8,038 | 7,872 | 4 | 11 | 16 | 98 | 29 | 95 |
| Pa. | 696 | 915 | 13,901 | 16,641 | 29 | 38 | N | N | - | 62 |
| E.N. CENTRAL | 1,408 | 2,458 | 67,466 | 79,649 | 418 | 433 | 374 | 706 | 282 | 541 |
| Ohio | 237 | 388 | 13,962 | 20,725 | 103 | 66 | 97 | 144 | 84 | 157 |
| Ind. | 165 | 250 | 9,177 | 8,820 | 50 | 28 | 50 | 82 | 32 | 68 |
| Ill. | 665 | 1,365 | 17,349 | 22,500 | 1 | 59 | 93 | 145 | 80 | 117 |
| Mich. | 261 | 331 | 19,591 | 16,741 | 106 | 59 | 56 | 86 | 50 | 73 |
| Wis. | 80 | 124 | 7,387 | 10,863 | 158 | 219 | 76 | 249 | 36 | 126 |
| W.N. CENTRAL | 454 | 614 | 22,864 | 26,080 | 207 | 158 | 251 | 421 | 233 | 421 |
| Minn. | 86 | 115 | 4,261 | 5,308 | 99 | 21 | 52 | 101 | 98 | 127 |
| Iowa | 47 | 86 | 1,658 | 3,566 | 53 | 46 | 50 | 118 | 39 | 109 |
| Mo. | 218 | 286 | 9,007 | 8,892 | 26 | 22 | 33 | 85 | 49 | 77 |
| N. Dak. | 1 | 2 | 599 | 597 | 7 | 9 | 12 | 14 | 21 | 16 |
| S. Dak. | 18 | 6 | 1,201 | 1,201 | 6 | 9 | 18 | 35 | 19 | 40 |
| Nebr. | 39 | 43 | 2,054 | 2,478 | 15 | 43 | 32 | 50 | - | 40 |
| Kans. | 46 | 96 | 3,884 | 4,038 | 1 | 8 | 14 | 18 | 7 | 12 |
| S. ATLANTIC | 6,167 | 7,196 | 86,104 | 86,827 | 206 | 248 | 141 | 224 | 99 | 217 |
| Del. | 116 | 131 | 1,912 | 1,916 | 2 | 5 | 3 | 1 | 4 | 1 |
| Md. | 751 | 842 | 7,634 | 9,226 | 28 | 9 | 14 | 19 | 1 | 1 |
| D.C. | 465 | 499 | 1,838 | 2,122 | 10 | 6 | - | - | U | U |
| Va. | 501 | 461 | 11,965 | 10,768 | 15 | 11 | 38 | 47 | 30 | 46 |
| W. Va. | 49 | 42 | 1,544 | 1,434 | 1 | 3 | 5 | 11 | 6 | 7 |
| N.C. | 402 | 431 | 13,769 | 14,905 | 19 | 16 | 30 | 50 | 26 | 54 |
| S.C. | 350 | 530 | 7,750 | 5,916 | - | - | 7 | 16 | 9 | 13 |
| Ge. | 757 | 872 | 16,870 | 18,430 | 74 | 95 | 19 | 34 | 13 | 36 |
| Fla. | 2,776 | 3,388 | 22,822 | 22,110 | 57 | 101 | 25 | 46 | 10 | 60 |
| E. S. CENTRAL | 977 | 1,295 | 31,630 | 33,983 | 31 | 37 | 85 | 87 | 79 | 79 |
| Ky. | 201 | 146 | 5,999 | 5,335 | 3 | 5 | 41 | 26 | 39 | 25 |
| Tenn. | 293 | 531 | 9,880 | 9,554 | 8 | 9 | 25 | 39 | 30 | 41 |
| Ala. | 224 | 337 | 8,269 | 10,806 | 11 | 12 | 12 | 5 | 6 | 5 |
| Miss. | 259 | 281 | 7,682 | 8,288 | 9 | 11 | 7 | 18 | 4 | 8 |
| W. S. CENTRAL | 2,058 | 2,672 | 68,974 | 69,793 | 22 | 85 | 44 | 193 | 59 | 233 |
| Ark. | 104 | 126 | 4,742 | 4,457 | 5 | 7 | 6 | 49 | - | 34 |
| La. | 472 | 445 | 11,314 | 12,345 | 7 | 10 | 3 | 13 | 24 | 37 |
| Okla. | 107 | 219 | 7,147 | 5,821 | 8 | 7 | 18 | 13 | 20 | 11 |
| Tex. | 1,375 | 1,882 | 45,771 | 47,170 | 2 | 61 | 17 | 118 | 15 | 151 |
| MOUNTAIN | 714 | 1,007 | 25,981 | 26,868 | 105 | 77 | 176 | 286 | 100 | 213 |
| Mont. | 12 | 10 | 1,305 | 1,016 | 7 | 8 | 10 | 26 | - | - |
| Idaho | 15 | 16 | 1,209 | 1,241 | 12 | 4 | 29 | 44 | - | 26 |
| Wyo. | 1 | 7 | 564 | 526 | 2 | 5 | 7 | 12 | 1 | 9 |
| Colo. | 140 | 239 | 5,284 | 7,988 | 29 | 33 | 69 | 108 | 54 | 77 |
| N. Mex. | 56 | 107 | 3,622 | 3,278 | 18 | 7 | 10 | 15 | 8 | 14 |
| Ariz. | 295 | 319 | 9,684 | 8,642 | 6 | 20 | 36 | 12 | 57 | 74 |
| Utah | 63 | 97 | 1,279 | 1,569 | 27 | 10 | 22 | 37 | 24 | 50 |
| Ne. | 132 | 212 | 3,034 | 2,608 | 4 | 3 | 9 | 8 | 1 | 10 |
| PACIFIC | 2,647 | 3,777 | 81,889 | 81,419 | 200 | 182 | 217 | 444 | 212 | 352 |
| Wash. | 290 | 334 | 9,111 | 8,714 | 37 | U | 59 | 131 | 62 | 159 |
| Oreg. | 112 | 113 | 3,108 | 4,630 | 22 | 13 | 32 | 94 | 27 | 90 |
| Calif. | 2,204 | 3,229 | 65,435 | 64,073 | 137 | 169 | 113 | 183 | 119 | 91 |
| Alaska | 13 | 15 | 1,796 | 1,633 | 1 | - | 3 | 24 | - | 2 |
| Hawaii | 28 | 86 | 2,439 | 2,369 | 3 | - | 10 | 12 | 4 | 10 |
| Guam | 9 | 13 | - | 335 | - | - | N | N | U | U |
| P.R. | 580 | 759 | 1,764 | U | - | - | 1 | 5 | U | U |
| V.I. | 2 | 25 | 53 | - | - | - | - | - | U | U |
| Amer. Samoa | - | - | U | U | U | U | U | U | U | U |
| C.N.M.I. | - | - | 86 | U | - | U | - | U | U | U |

N: Not notifiable. U: Unavailable. - : No reported cases.

C.N.M.I.: Commonwealth of Northern Mariana Islands.

*Incidence data for reporting year 2001 are provisional and cumulative (year-to-date). Incidence data for reporting year 2000 are finalized and cumulative (year-to-date).

[†]Individual cases can be reported through both the National Electronic Telecommunications System for Surveillance (NETSS) and the Public Health Laboratory Information System (PHLIS).

^bChlamydia refers to genital infections caused by *C. trachomatis*.

^cUpdated monthly from reports to the Division of HIV/AIDS Prevention — Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention. Last update June 26, 2001.

TABLE II. (Cont'd) Provisional cases of selected notifiable diseases, United States, weeks ending September 1, 2001, and September 2, 2000 (35th Week)*

| Reporting Area | Gonorrhea | | Hepatitis C: Non-A, Non-B | | Legionellosis | | Listeriosis | Lyme Disease | |
|----------------|--------------|--------------|------------------------------|--------------|---------------|--------------|--------------|--------------|--------------|
| | Cum. 2001 | Cum. 2000 | Cum. 2001 | Cum. 2000 | Cum. 2001 | Cum. 2000 | Cum. 2001 | Cum. 2001 | Cum. 2000 |
| UNITED STATES | 207,338 | 233,931 | 2,323 | 2,205 | 606 | 658 | 292 | 6,829 | 10,932 |
| NEW ENGLAND | 4,202 | 4,424 | 14 | 21 | 29 | 38 | 32 | 1,989 | 3,316 |
| Maine | 79 | 55 | - | 2 | 4 | 2 | - | - | - |
| N.H. | 107 | 69 | - | - | 7 | 2 | 2 | 88 | 41 |
| Vt. | 48 | 43 | 6 | 4 | 4 | 3 | 2 | 4 | 23 |
| Mass. | 2,089 | 1,791 | 8 | 10 | 5 | 15 | 16 | 409 | 982 |
| R.I. | 501 | 412 | - | 5 | 2 | 3 | 1 | 233 | 213 |
| Conn. | 1,378 | 2,054 | - | - | 7 | 13 | 11 | 1,255 | 2,057 |
| MID. ATLANTIC | 25,210 | 25,017 | 978 | 485 | 122 | 178 | 45 | 3,492 | 5,761 |
| Upstate N.Y. | 5,458 | 4,677 | 40 | 25 | 39 | 47 | 19 | 1,912 | 2,174 |
| N.Y. City | 8,016 | 7,553 | - | - | 10 | 26 | 8 | 2 | 153 |
| N.J. | 4,958 | 4,984 | 896 | 425 | 5 | 16 | 7 | 448 | 2,142 |
| Pa. | 6,778 | 7,823 | 42 | 35 | 68 | 89 | 11 | 1,130 | 1,292 |
| E. N. CENTRAL | 36,350 | 47,155 | 123 | 173 | 149 | 177 | 34 | 379 | 666 |
| Ohio | 7,674 | 12,449 | 8 | 8 | 82 | 69 | 11 | 83 | 46 |
| Ind. | 3,842 | 4,128 | 1 | - | 14 | 26 | 4 | 16 | 19 |
| Ill. | 10,832 | 14,062 | 11 | 17 | - | 24 | 1 | - | 33 |
| Mich. | 11,441 | 11,841 | 103 | 148 | 33 | 30 | 16 | 1 | 21 |
| Wis. | 2,561 | 4,675 | - | - | 20 | 28 | 2 | 279 | 547 |
| W. N. CENTRAL | 9,762 | 11,575 | 472 | 398 | 40 | 44 | 9 | 248 | 178 |
| Minn. | 1,375 | 2,131 | 7 | 5 | 9 | 3 | - | 202 | 99 |
| Iowa | 428 | 804 | - | 1 | 6 | 11 | - | 24 | 21 |
| Mo. | 5,364 | 5,636 | 455 | 382 | 15 | 21 | 5 | 17 | 41 |
| N. Dak. | 19 | 44 | - | - | 1 | - | - | - | - |
| S. Dak. | 186 | 194 | - | - | 3 | 2 | - | - | - |
| Nebr. | 695 | 959 | 3 | 3 | 5 | 3 | 1 | 3 | 3 |
| Kans. | 1,695 | 1,807 | 7 | 7 | 1 | 4 | 3 | 2 | 14 |
| S. ATLANTIC | 53,225 | 61,002 | 81 | 67 | 132 | 108 | 50 | 585 | 834 |
| Del. | 1,122 | 1,120 | - | 2 | 3 | 5 | - | 31 | 163 |
| Md. | 4,231 | 6,271 | 14 | 6 | 27 | 40 | 9 | 379 | 495 |
| D.C. | 1,644 | 1,649 | - | 3 | 7 | - | - | 8 | 3 |
| Va. | 7,019 | 6,666 | - | 3 | 18 | 19 | 9 | 98 | 103 |
| W. Va. | 423 | 440 | 9 | 13 | N | N | 5 | 10 | 22 |
| N.C. | 11,257 | 12,173 | 16 | 13 | 7 | 9 | 2 | 27 | 35 |
| S.C. | 5,344 | 5,572 | 5 | 1 | 6 | 4 | 4 | 3 | 3 |
| Ga. | 9,248 | 11,741 | - | 3 | 9 | 6 | 7 | - | - |
| Fla. | 12,937 | 15,370 | 37 | 21 | 55 | 25 | 14 | 29 | 10 |
| E. S. CENTRAL | 20,278 | 24,433 | 159 | 328 | 42 | 25 | 15 | 33 | 33 |
| Ky. | 2,371 | 2,334 | 6 | 29 | 9 | 14 | 4 | 18 | 6 |
| Tenn. | 6,436 | 7,689 | 51 | 67 | 21 | 8 | 6 | 9 | 19 |
| Ala. | 6,415 | 8,298 | 2 | 7 | 10 | 2 | 5 | 6 | 5 |
| Miss. | 5,056 | 6,112 | 100 | 225 | 2 | 1 | - | - | 3 |
| W. S. CENTRAL | 33,805 | 36,583 | 162 | 547 | 5 | 20 | 6 | 7 | 58 |
| Ark. | 2,932 | 2,538 | 3 | 7 | - | 7 | 1 | - | 5 |
| La. | 7,848 | 8,981 | 75 | 303 | 2 | 7 | - | 1 | 5 |
| Okl. | 3,302 | 2,494 | 3 | 6 | 3 | 2 | 2 | - | - |
| Tex. | 19,723 | 22,570 | 81 | 231 | - | 11 | 3 | 6 | 48 |
| MOUNTAIN | 6,695 | 7,020 | 238 | 54 | 40 | 25 | 26 | 10 | 7 |
| Mont. | 78 | 28 | 1 | 4 | - | 1 | - | - | - |
| Idaho | 53 | 2 | 2 | 3 | 2 | 4 | 1 | 4 | 1 |
| Wyo. | 46 | 36 | 191 | 2 | 4 | - | - | 3 | 3 |
| Colo. | 2,054 | 2,110 | 16 | 11 | 11 | 8 | 6 | 1 | - |
| N. Mex. | 592 | 726 | 11 | 11 | 2 | 1 | 6 | - | - |
| Ariz. | 2,677 | 2,916 | 9 | 13 | 11 | 6 | 6 | - | - |
| Utah | 104 | 162 | 2 | - | 7 | 5 | 1 | 1 | 1 |
| Nev. | 1,091 | 983 | 6 | 10 | 3 | - | 5 | 1 | 2 |
| PACIFIC | 17,811 | 16,722 | 96 | 132 | 47 | 43 | 75 | 86 | 79 |
| Wash. | 2,024 | 1,509 | 16 | 23 | 6 | 14 | 6 | 6 | 5 |
| Oreg. | 456 | 622 | 10 | 22 | N | N | 3 | 6 | 6 |
| Calif. | 14,669 | 14,060 | 70 | 85 | 37 | 29 | 62 | 72 | 86 |
| Alaska | 266 | 217 | - | - | - | - | - | 2 | 2 |
| Hawaii | 396 | 314 | - | 2 | 4 | - | 4 | N | N |
| Guam | - | 34 | - | 2 | - | - | - | - | - |
| P.R. | 399 | 352 | 1 | 1 | 2 | 1 | - | N | N |
| V.I. | 6 | - | - | - | - | - | - | - | - |
| Amer. Samoa | U | U | U | U | U | U | - | U | U |
| C.N.M.I. | 7 | U | - | U | - | U | - | - | U |

N: Not notifiable. U: Unavailable. -: No reported cases.

*Incidence data for reporting year 2001 are provisional and cumulative (year-to-date). Incidence data for reporting year 2000 are finalized and cumulative (year-to-date).

TABLE II. (Cont'd) Provisional cases of selected notifiable diseases, United States, weeks ending September 1, 2001, and September 2, 2000 (35th Week)*

| Reporting Area | Malaria | | Rabies, Animal | | Salmonellosis [†] | | | |
|----------------|-----------|-----------|----------------|-----------|----------------------------|-----------|-----------|-----------|
| | Cum. 2001 | Cum. 2000 | Cum. 2001 | Cum. 2000 | NETSS | | PHLIS | |
| | Cum. 2001 | Cum. 2000 | Cum. 2001 | Cum. 2000 | Cum. 2001 | Cum. 2000 | Cum. 2001 | Cum. 2000 |
| UNITED STATES | 748 | 936 | 4,145 | 4,739 | 21,878 | 24,679 | 18,195 | 21,635 |
| NEW ENGLAND | 39 | 49 | 460 | 537 | 1,536 | 1,547 | 1,518 | 1,594 |
| Maine | 4 | 5 | 47 | 90 | 140 | 92 | 121 | 77 |
| N.H. | 2 | 1 | 16 | 9 | 129 | 94 | 120 | 97 |
| Vt. | - | 2 | 47 | 43 | 50 | 86 | 46 | 98 |
| Mass. | 12 | 20 | 175 | 183 | 927 | 913 | 801 | 907 |
| R.I. | 3 | 5 | 41 | 36 | 82 | 83 | 114 | 115 |
| Conn. | 18 | 16 | 134 | 176 | 208 | 279 | 317 | 310 |
| MID. ATLANTIC | 198 | 233 | 827 | 847 | 2,816 | 3,315 | 2,554 | 3,501 |
| Upstate N.Y. | 46 | 44 | 532 | 541 | 795 | 773 | 816 | 893 |
| N.Y. City | 104 | 124 | 20 | 8 | 719 | 844 | 790 | 873 |
| N.J. | 21 | 39 | 130 | 113 | 589 | 806 | 527 | 673 |
| Pa. | 28 | 26 | 145 | 185 | 713 | 892 | 421 | 1,062 |
| E.N. CENTRAL | 70 | 103 | 89 | 113 | 3,146 | 3,375 | 2,690 | 2,374 |
| Ohio | 20 | 13 | 33 | 33 | 942 | 799 | 795 | 1,014 |
| Ind. | 14 | 5 | 1 | - | 354 | 410 | 310 | 435 |
| Ill. | 1 | 53 | 14 | 19 | 767 | 1,074 | 704 | 1 |
| Mich. | 22 | 21 | 34 | 50 | 551 | 609 | 566 | 654 |
| Wis. | 13 | 11 | 6 | 11 | 532 | 483 | 315 | 270 |
| W.N. CENTRAL | 27 | 39 | 243 | 409 | 1,417 | 1,595 | 1,518 | 1,765 |
| Minn. | 6 | 13 | 29 | 85 | 381 | 369 | 474 | 481 |
| Iowa | 5 | 2 | 56 | 80 | 216 | 230 | 209 | 240 |
| Mo. | 9 | 9 | 32 | 35 | 404 | 484 | 549 | 585 |
| N. Dak. | - | 2 | 29 | 94 | 40 | 47 | 99 | 56 |
| S. Dak. | 2 | - | 25 | - | 110 | 62 | 92 | 78 |
| Nebr. | 2 | 7 | 4 | 1 | 100 | 146 | - | 111 |
| Kans. | 5 | 6 | 69 | 78 | 163 | 257 | 135 | 214 |
| S. ATLANTIC | 207 | 205 | 1,454 | 1,649 | 5,455 | 4,789 | 3,818 | 3,949 |
| Del. | 1 | 3 | 25 | 31 | 98 | 80 | 61 | 92 |
| Md. | 89 | 74 | 179 | 292 | 555 | 527 | 603 | 480 |
| D.C. | 13 | 13 | - | - | 57 | 39 | U | U |
| Va. | 40 | 41 | 292 | 398 | 931 | 653 | 678 | 640 |
| W. Va. | 1 | 2 | 102 | 89 | 80 | 107 | 92 | 106 |
| N.C. | 9 | 19 | 404 | 403 | 759 | 657 | 723 | 734 |
| S.C. | 5 | 2 | 86 | 107 | 556 | 480 | 459 | 373 |
| Ga. | 12 | 8 | 224 | 218 | 855 | 796 | 884 | 1,188 |
| Fla. | 37 | 43 | 142 | 110 | 1,604 | 1,450 | 318 | 335 |
| E.S. CENTRAL | 22 | 31 | 149 | 135 | 1,474 | 1,458 | 1,057 | 1,180 |
| Ky. | 8 | 9 | 15 | 18 | 236 | 259 | 143 | 186 |
| Tenn. | 8 | 8 | 87 | 72 | 389 | 389 | 452 | 527 |
| Ala. | 4 | 13 | 47 | 44 | 426 | 393 | 328 | 387 |
| Miss. | 2 | 1 | - | 1 | 423 | 417 | 134 | 80 |
| W.S. CENTRAL | 10 | 58 | 510 | 634 | 1,562 | 3,100 | 1,297 | 1,878 |
| Ark. | 3 | 2 | 20 | 20 | 468 | 433 | 92 | 362 |
| La. | 4 | - | - | 3 | 270 | 514 | 458 | 416 |
| Okl. | 2 | 4 | 48 | 44 | 278 | 262 | 236 | 196 |
| Tex. | 1 | 42 | 442 | 567 | 546 | 1,891 | 511 | 904 |
| MOUNTAIN | 35 | 35 | 180 | 196 | 1,444 | 1,841 | 1,080 | 1,769 |
| Mont. | 2 | 1 | 31 | 52 | 48 | 80 | - | - |
| Idaho | 3 | 2 | 13 | 9 | 96 | 90 | 4 | 81 |
| Wyo. | - | - | 21 | 42 | 44 | 48 | 43 | 40 |
| Colo. | 18 | 18 | - | - | 406 | 502 | 360 | 491 |
| N. Mex. | 3 | - | 11 | 16 | 181 | 164 | 146 | 152 |
| Ariz. | 3 | 6 | 96 | 66 | 415 | 442 | 368 | 483 |
| Utah | 3 | 4 | 7 | 9 | 155 | 341 | 136 | 346 |
| Nev. | 3 | 4 | 1 | 2 | 98 | 185 | 23 | 176 |
| PACIFIC | 140 | 183 | 234 | 220 | 3,028 | 3,659 | 2,663 | 3,626 |
| Wash. | 4 | 19 | - | - | 337 | 346 | 491 | 471 |
| Oreg. | 9 | 30 | 1 | 6 | 165 | 213 | 230 | 270 |
| Calif. | 119 | 125 | 196 | 189 | 2,250 | 2,906 | 1,701 | 2,700 |
| Alaska | 1 | - | 37 | 25 | 28 | 38 | 2 | 25 |
| Hawaii | 7 | 9 | - | - | 248 | 155 | 239 | 160 |
| Guam | - | 2 | - | - | - | 20 | U | U |
| P.R. | 3 | 4 | 67 | 56 | 405 | 427 | U | U |
| V.I. | - | - | - | - | - | - | U | U |
| Amer. Samoa | U | U | U | U | U | U | U | U |
| C.N.M.I. | U | U | U | U | 8 | U | U | U |

N: Not notifiable. U: Unavailable. - No reported cases.

*Incidence data for reporting year 2001 are provisional and cumulative (year-to-date). Incidence data for reporting year 2000 are finalized and cumulative (year-to-date).

[†]Individual cases can be reported through both the National Electronic Telecommunications System for Surveillance (NETSS) and the Public Health Laboratory Information System (PHLIS).

TABLE II. (Cont'd) Provisional cases of selected notifiable diseases, United States, weeks ending September 1, 2001, and September 2, 2000 (35th Week)*

| Reporting Area | Shigellosis [†] | | PHLIS | | Syphilis (Primary & Secondary) | | Tuberculosis | |
|----------------|--------------------------|--------------|--------------|--------------|-----------------------------------|--------------|--------------|--------------|
| | NETSS Cum. 2001 | Cum. 2000 | Cum. 2001 | Cum. 2000 | Cum. 2001 | Cum. 2000 | Cum. 2001 | Cum. 2000 |
| UNITED STATES | 10,648 | 14,589 | 5,227 | 8,183 | 3,721 | 4,099 | 7,908 | 9,408 |
| NEW ENGLAND | 185 | 274 | 172 | 263 | 37 | 55 | 290 | 286 |
| Maine | 6 | 8 | 2 | 11 | - | 1 | 7 | 12 |
| N.H. | 4 | 4 | 2 | 7 | 1 | 1 | 11 | 15 |
| Vt. | 7 | 3 | 2 | - | 2 | - | 2 | 4 |
| Mass. | 131 | 199 | 116 | 179 | 19 | 38 | 164 | 168 |
| R.I. | 15 | 19 | 19 | 22 | 7 | 4 | 24 | 25 |
| Conn. | 22 | 41 | 31 | 44 | 8 | 11 | 82 | 62 |
| MID. ATLANTIC | 933 | 1,890 | 582 | 1,209 | 314 | 190 | 1,555 | 1,539 |
| Upstate N.Y. | 378 | 526 | 93 | 177 | 19 | 7 | 221 | 209 |
| N.Y. City | 258 | 776 | 267 | 514 | 161 | 81 | 811 | 823 |
| N.J. | 146 | 398 | 157 | 332 | 77 | 46 | 337 | 359 |
| Pa. | 151 | 190 | 65 | 186 | 57 | 56 | 186 | 148 |
| E.N. CENTRAL | 2,770 | 3,011 | 1,331 | 871 | 616 | 866 | 832 | 920 |
| Ohio | 1,948 | 232 | 923 | 206 | 58 | 55 | 142 | 198 |
| Ind. | 153 | 1,133 | 28 | 129 | 111 | 257 | 66 | 87 |
| Ill. | 271 | 855 | 204 | 2 | 160 | 298 | 406 | 430 |
| Mich. | 202 | 544 | 156 | 491 | 269 | 217 | 171 | 146 |
| Wis. | 196 | 247 | 20 | 43 | 18 | 39 | 47 | 59 |
| W.N. CENTRAL | 1,051 | 1,621 | 851 | 1,375 | 50 | 48 | 303 | 339 |
| Minn. | 286 | 518 | 341 | 594 | 21 | 8 | 158 | 108 |
| Iowa | 316 | 361 | 261 | 260 | 1 | 10 | 18 | 25 |
| Mo. | 199 | 505 | 140 | 356 | 11 | 25 | 91 | 129 |
| N. Dak. | 20 | 12 | 21 | 21 | - | - | 3 | 2 |
| S. Dak. | 122 | 4 | 59 | 3 | - | - | 8 | 13 |
| Nebr. | 54 | 76 | - | 61 | 2 | 2 | 25 | 14 |
| Kans. | 54 | 145 | 29 | 80 | 15 | 3 | - | 48 |
| S. ATLANTIC | 1,583 | 1,871 | 517 | 701 | 1,331 | 1,351 | 1,618 | 1,937 |
| Del. | 7 | 12 | 7 | 15 | 8 | 7 | 9 | 10 |
| Md. | 106 | 134 | 57 | 73 | 162 | 201 | 141 | 169 |
| D.C. | 42 | 41 | U | U | 28 | 29 | 51 | 16 |
| Va. | 202 | 311 | 110 | 238 | 76 | 95 | 162 | 188 |
| W. Va. | 8 | 4 | 8 | 3 | - | 3 | 21 | 21 |
| N.C. | 245 | 124 | 125 | 95 | 307 | 353 | 236 | 257 |
| S.C. | 202 | 95 | 91 | 68 | 178 | 143 | 134 | 186 |
| Ga. | 154 | 167 | 91 | 134 | 222 | 260 | 290 | 425 |
| Fla. | 617 | 983 | 28 | 75 | 350 | 260 | 574 | 665 |
| E.S. CENTRAL | 932 | 656 | 400 | 361 | 406 | 595 | 499 | 596 |
| Ky. | 340 | 236 | 175 | 52 | 30 | 59 | 78 | 70 |
| Tenn. | 66 | 249 | 75 | 278 | 215 | 358 | 192 | 224 |
| Ala. | 175 | 37 | 124 | 28 | 87 | 83 | 164 | 197 |
| Miss. | 351 | 134 | 26 | 3 | 74 | 95 | 66 | 105 |
| W.S. CENTRAL | 1,062 | 2,337 | 714 | 712 | 478 | 560 | 712 | 1,404 |
| Ark. | 415 | 147 | 155 | 43 | 26 | 75 | 100 | 143 |
| La. | 112 | 199 | 132 | 125 | 100 | 150 | - | 122 |
| Okla. | 32 | 77 | 15 | 30 | 48 | 82 | 100 | 109 |
| Tex. | 503 | 1,914 | 412 | 514 | 304 | 253 | 512 | 1,030 |
| MOUNTAIN | 640 | 713 | 372 | 506 | 167 | 156 | 301 | 346 |
| Mont. | 2 | 6 | - | - | - | - | 6 | 10 |
| Idaho | 25 | 41 | - | 25 | - | 1 | 8 | 6 |
| Wyo. | 3 | 5 | 1 | 3 | 1 | 1 | 2 | 2 |
| Colo. | 157 | 129 | 140 | 91 | 31 | 7 | 78 | 56 |
| N. Mex. | 79 | 87 | 45 | 63 | 13 | 21 | 21 | 29 |
| Ariz. | 284 | 290 | 137 | 194 | 111 | 130 | 115 | 139 |
| Utah | 44 | 57 | 41 | 64 | 7 | 1 | 24 | 32 |
| Nev. | 46 | 98 | 8 | 86 | 4 | 4 | 47 | 72 |
| PACIFIC | 1,492 | 2,216 | 288 | 2,185 | 322 | 278 | 1,798 | 2,041 |
| Wash. | 139 | 345 | 167 | 321 | 37 | 47 | 167 | 162 |
| Oreg. | 58 | 121 | 74 | 80 | 8 | 10 | 74 | 64 |
| Calif. | 1,241 | 1,717 | - | 1,757 | 269 | 220 | 1,431 | 1,649 |
| Alaska | 5 | 7 | 1 | 3 | - | - | 31 | 74 |
| Hawaii | 48 | 26 | 46 | 24 | 8 | 1 | 95 | 92 |
| Guam | - | 34 | U | U | - | 3 | - | 37 |
| P.R. | 8 | 25 | U | U | 172 | 116 | 76 | 109 |
| V.I. | - | - | U | U | - | - | - | - |
| Amer. Samoa | U | U | U | U | U | U | U | U |
| C.N.M.I. | 4 | U | U | U | - | U | 20 | U |

N: Not notifiable. U: Unavailable. -: No reported cases.

*Incidence data for reporting year 2001 are provisional and cumulative (year-to-date). Incidence data for reporting year 2000 are finalized and cumulative (year-to-date).

† Individual cases can be reported through both the National Electronic Telecommunications System for Surveillance (NETSS) and the Public Health Laboratory Information System (PHLIS).

TABLE III. Provisional cases of selected notifiable diseases preventable by vaccination, United States, weeks ending September 1, 2001, and September 2, 2000 (35th Week)*

| Reporting Area | <i>H. influenzae</i> , invasive | | Hepatitis (Viral), By Type | | | | Measles (Rubeola) | | | |
|----------------|------------------------------------|--------------|----------------------------|--------------|--------------|--------------|-------------------|------|-----------|------|
| | | | A | | B | | Indigenous | | Imported† | |
| | Cum. 2001† | Cum. 2000 | Cum. 2001 | Cum. 2000 | Cum. 2001 | Cum. 2000 | 2001 | 2001 | 2001 | 2000 |
| UNITED STATES | 937 | 875 | 6,399 | 8,588 | 4,275 | 4,640 | - | 45 | - | 85 |
| NEW ENGLAND | 58 | 67 | 361 | 262 | 61 | 77 | - | 4 | - | 5 |
| Maine | 1 | 1 | 8 | 14 | 5 | 5 | - | - | - | - |
| N.H. | 4 | 12 | 12 | 16 | 11 | 12 | U | - | U | 3 |
| Vt. | 3 | 5 | 8 | 8 | 4 | 6 | - | 1 | - | 3 |
| Mass. | 34 | 32 | 146 | 100 | - | 10 | - | 2 | - | 3 |
| R.I. | 3 | 2 | 26 | 16 | 17 | 14 | - | - | - | - |
| Conn. | 13 | 15 | 161 | 106 | 24 | 30 | - | 1 | - | 1 |
| MID. ATLANTIC | 131 | 162 | 667 | 949 | 657 | 814 | - | 4 | - | 14 |
| Upstate N.Y. | 52 | 65 | 170 | 151 | 93 | 86 | - | 1 | - | 5 |
| N.Y. City | 34 | 44 | 204 | 329 | 312 | 399 | - | 2 | - | 3 |
| N.J. | 30 | 31 | 159 | 178 | 64 | 127 | - | - | - | 1 |
| Pa. | 15 | 22 | 134 | 291 | 188 | 202 | - | 1 | - | 5 |
| E. N. CENTRAL | 124 | 135 | 671 | 1,133 | 602 | 486 | - | - | - | 10 |
| Ohio | 52 | 41 | 164 | 188 | 79 | 77 | - | - | - | 3 |
| Ind. | 36 | 22 | 63 | 51 | 35 | 36 | - | - | - | 4 |
| Ill. | 10 | 46 | 183 | 505 | 100 | 84 | - | - | - | 3 |
| Mich. | 7 | 9 | 222 | 328 | 388 | 266 | - | - | - | - |
| Wis. | 19 | 17 | 39 | 61 | - | 23 | - | - | - | - |
| W. N. CENTRAL | 46 | 46 | 274 | 541 | 128 | 203 | - | 4 | - | 4 |
| Minn. | 25 | 23 | 24 | 152 | 13 | 26 | - | 2 | - | 2 |
| Iowa | - | - | 25 | 54 | 16 | 20 | - | - | - | - |
| Mo. | 13 | 15 | 72 | 226 | 67 | 104 | - | 2 | - | 2 |
| N. Dak. | 6 | 2 | 2 | 2 | - | 2 | - | - | - | - |
| S. Dak. | - | - | 1 | - | 1 | 1 | - | - | - | - |
| Nebr. | 1 | 3 | 28 | 23 | 17 | 30 | U | - | U | - |
| Kans. | 1 | 3 | 122 | 84 | 14 | 20 | - | - | - | - |
| S. ATLANTIC | 271 | 202 | 1,507 | 900 | 896 | 800 | - | 4 | - | 5 |
| Del. | - | - | - | 10 | - | - | - | - | - | - |
| Md. | 63 | 57 | 187 | 123 | 95 | 88 | - | 2 | - | 1 |
| D.C. | - | - | 33 | 20 | 11 | 27 | - | - | - | - |
| Va. | 19 | 32 | 89 | 105 | 101 | 103 | - | 1 | - | 1 |
| W. Va. | 10 | 5 | 8 | 49 | 20 | 10 | - | - | - | - |
| N.C. | 40 | 19 | 124 | 109 | 133 | 160 | - | - | - | - |
| S.C. | 5 | 7 | 59 | 39 | 24 | 8 | - | - | - | - |
| Ga. | 67 | 52 | 584 | 170 | 216 | 142 | - | 1 | - | 1 |
| Fla. | 67 | 30 | 423 | 275 | 296 | 252 | - | - | - | - |
| E. S. CENTRAL | 61 | 37 | 265 | 307 | 300 | 328 | - | 2 | - | 2 |
| Ky. | 2 | 12 | 63 | 39 | 31 | 61 | - | 2 | - | 2 |
| Tenn. | 31 | 16 | 105 | 105 | 155 | 157 | - | - | - | - |
| Ala. | 26 | 7 | 63 | 43 | 61 | 35 | - | - | - | - |
| Miss. | 2 | 2 | 14 | 117 | 53 | 75 | - | - | - | - |
| W. S. CENTRAL | 35 | 52 | 635 | 1,643 | 455 | 705 | - | 1 | - | 1 |
| Ark. | 1 | 53 | 109 | 53 | 26 | 72 | - | - | - | - |
| La. | 3 | 15 | 93 | 56 | 29 | 106 | - | - | - | - |
| Okla. | 32 | 34 | 96 | 183 | 70 | 103 | - | - | - | - |
| Tex. | - | 2 | 433 | 1,295 | 290 | 424 | U | 1 | U | 1 |
| MOUNTAIN | 129 | 87 | 582 | 621 | 403 | 360 | - | - | - | 1 |
| Mont. | - | 1 | 9 | 4 | 2 | 4 | U | - | U | - |
| Idaho | 1 | 3 | 50 | 19 | 10 | 6 | - | - | - | 1 |
| Wyo. | 17 | 1 | 25 | 4 | 31 | 1 | - | - | - | - |
| Colo. | 29 | 20 | 61 | 140 | 79 | 55 | - | - | - | - |
| N. Mex. | 15 | 18 | 26 | 56 | 112 | 108 | - | - | - | - |
| Ariz. | 51 | 34 | 304 | 313 | 115 | 137 | - | - | - | - |
| Utah | 6 | 7 | 61 | 40 | 23 | 17 | - | - | - | - |
| Nev. | 10 | 3 | 46 | 46 | 31 | 32 | U | - | U | - |
| PACIFIC | 82 | 87 | 1,437 | 2,232 | 773 | 867 | - | 26 | - | 17 |
| Wash. | 2 | 5 | 92 | 192 | 88 | 67 | - | 13 | - | 2 |
| Oreg. | 17 | 62 | 139 | 139 | 50 | 72 | - | 3 | - | 3 |
| Calif. | 34 | 30 | 1,269 | 1,877 | 613 | 710 | U | 8 | U | 10 |
| Alaska | 6 | 6 | 14 | 11 | 7 | 9 | - | - | - | - |
| Hawaii | 23 | 22 | 1 | 13 | 15 | 9 | - | 2 | - | 5 |
| Guam | - | 1 | - | 1 | - | 9 | U | - | U | - |
| P.R. | 1 | 3 | 75 | 189 | 127 | 191 | - | - | - | - |
| V.I. | - | - | - | - | - | - | U | - | U | - |
| Amer. Samoa | U | U | U | U | U | U | U | U | U | U |
| C.N.M.I. | - | U | - | U | 26 | U | U | - | U | - |

N: Not notifiable.

U: Unavailable.

-: No reported cases.

*Incidence data for reporting year 2001 are provisional and cumulative (year-to-date). Incidence data for reporting year 2000 are finalized and cumulative (year-to-date).

†For imported measles, cases include only those resulting from importation from other countries.

‡Of 194 cases among children aged <5 years, serotype was reported for 95, and of those, 17 were type b.

TABLE III. (Cont'd) Provisional cases of selected notifiable diseases preventable by vaccination, United States, weeks ending September 1, 2001, and September 2, 2000 (35th Week)*

| Reporting Area | Meningococcal Disease | | Mumps | | | Pertussis | | | Rubella | | |
|----------------|-----------------------|-----------|-------|-----------|-----------|-----------|-----------|-----------|---------|-----------|-----------|
| | Cum. 2001 | Cum. 2000 | 2001 | Cum. 2001 | Cum. 2000 | 2001 | Cum. 2001 | Cum. 2000 | 2001 | Cum. 2001 | Cum. 2000 |
| UNITED STATES | 1,560 | 1,558 | 2 | 150 | 247 | 78 | 2,988 | 4,194 | - | 17 | 107 |
| NEW ENGLAND | 83 | 92 | - | - | 4 | - | 263 | 1,085 | - | - | 11 |
| Maine | 1 | 7 | - | - | - | - | 31 | - | - | - | - |
| N.H. | 10 | 9 | U | - | - | U | 25 | 79 | U | - | 2 |
| Vt. | 5 | 2 | - | - | - | - | 25 | 173 | - | - | - |
| Mass. | 47 | 54 | - | - | 1 | - | 194 | 751 | - | - | 8 |
| R.I. | 2 | 7 | - | - | 1 | - | 5 | 14 | - | - | - |
| Conn. | 18 | 13 | - | - | 2 | - | 14 | 37 | - | - | 1 |
| MID. ATLANTIC | 166 | 176 | - | 17 | 19 | 1 | 216 | 389 | - | 5 | 8 |
| Upstate N.Y. | 46 | 47 | - | 3 | 6 | 1 | 117 | 179 | - | 1 | 1 |
| N.Y. City | 31 | 35 | - | 9 | 6 | - | 34 | 54 | - | 3 | 7 |
| N.J. | 39 | 33 | - | 2 | 3 | - | 13 | 30 | - | 1 | - |
| Pa. | 50 | 61 | - | 3 | 4 | - | 52 | 126 | - | - | - |
| E.N. CENTRAL | 200 | 268 | - | 14 | 18 | 5 | 367 | 486 | - | 3 | 1 |
| Ohio | 70 | 63 | - | 1 | 7 | 1 | 217 | 228 | - | - | - |
| Ind. | 29 | 31 | - | 1 | - | - | 46 | 62 | - | 1 | - |
| Ill. | 20 | 68 | - | 10 | 6 | 2 | 41 | 54 | - | 2 | 1 |
| Mich. | 46 | 76 | - | 2 | 4 | 2 | 39 | 55 | - | - | - |
| Wis. | 35 | 30 | - | - | 1 | - | 24 | 87 | - | - | - |
| W.N. CENTRAL | 104 | 109 | - | 8 | 14 | 14 | 168 | 306 | - | 3 | 1 |
| Minn. | 15 | 17 | - | 3 | - | 11 | 58 | 180 | - | - | - |
| Iowa | 21 | 22 | - | - | 6 | - | 17 | 34 | - | 1 | - |
| Mo. | 39 | 51 | - | - | 4 | - | 69 | 49 | - | 1 | - |
| N. Dak. | 5 | 2 | - | - | - | - | 3 | 2 | - | - | - |
| S. Dak. | 4 | - | - | - | - | - | 3 | 9 | - | - | - |
| Nebr. | 10 | 5 | U | 1 | 1 | U | 4 | 9 | U | - | 1 |
| Kans. | 10 | 7 | - | 4 | 3 | 3 | 17 | 30 | - | 1 | - |
| S. ATLANTIC | 301 | 223 | 2 | 26 | 37 | 7 | 163 | 310 | - | 4 | 60 |
| Del. | 3 | - | - | - | - | - | - | 5 | - | - | - |
| Md. | 38 | 22 | - | 4 | 8 | 1 | 21 | 78 | - | - | - |
| D.C. | - | - | - | - | - | - | 1 | 3 | - | - | - |
| Va. | 31 | 35 | - | 6 | 8 | 3 | 31 | 44 | - | - | - |
| W. Va. | 11 | 10 | - | - | - | - | 2 | 1 | - | - | - |
| N.C. | 58 | 32 | 2 | 3 | 5 | 3 | 51 | 74 | - | - | 52 |
| S.C. | 31 | 18 | - | 2 | 10 | - | 26 | 23 | - | 2 | 6 |
| Ga. | 36 | 37 | - | 7 | 2 | - | 7 | 27 | - | - | - |
| Fla. | 96 | 69 | - | 4 | 4 | - | 24 | 52 | - | 2 | 2 |
| E.S. CENTRAL | 103 | 109 | - | 3 | 4 | 5 | 85 | 88 | - | - | 5 |
| Ky. | 18 | 23 | - | 1 | - | 1 | 18 | 44 | - | - | 1 |
| Tenn. | 44 | 45 | - | - | 2 | 2 | 37 | 25 | - | - | 1 |
| Ala. | 30 | 30 | - | - | 2 | 2 | 27 | 16 | - | - | 3 |
| Miss. | 11 | 11 | - | 2 | - | - | 3 | 3 | - | - | - |
| W.S. CENTRAL | 176 | 166 | - | 8 | 25 | 2 | 248 | 223 | - | - | 7 |
| Ark. | 16 | 11 | - | 1 | 1 | 2 | 11 | 31 | - | - | 1 |
| La. | 56 | 38 | - | 2 | 5 | - | 2 | 15 | - | - | 1 |
| Okla. | 24 | 22 | - | - | - | - | 1 | 12 | - | - | - |
| Tex. | 80 | 95 | U | 5 | 19 | U | 234 | 165 | U | - | 5 |
| MOUNTAIN | 76 | 71 | - | 9 | 16 | 38 | 1,039 | 494 | - | 1 | 2 |
| Mont. | 3 | 4 | U | 1 | 1 | U | 21 | 24 | U | - | - |
| Idaho | 7 | 6 | - | 1 | - | - | 165 | 45 | - | - | - |
| Wyo. | 6 | - | - | 1 | 1 | - | 2 | 3 | - | - | - |
| Colo. | 27 | 23 | - | 1 | - | 12 | 205 | 271 | - | 1 | 1 |
| N. Mex. | 11 | 6 | - | 2 | 1 | 2 | 89 | 76 | - | - | - |
| Ariz. | 11 | 22 | - | 1 | 4 | 23 | 491 | 51 | - | - | 1 |
| Utah | 7 | 7 | - | 1 | 4 | 1 | 57 | 15 | - | - | - |
| Nev. | 4 | 3 | U | 1 | 5 | U | 9 | 9 | U | - | - |
| PACIFIC | 351 | 344 | - | 65 | 110 | 6 | 439 | 813 | - | 1 | 12 |
| Wash. | 53 | 36 | - | 1 | 5 | 5 | 104 | 239 | - | - | 7 |
| Oreg. | 30 | 45 | N | N | N | 1 | 35 | 88 | - | - | - |
| Calif. | 257 | 249 | U | 29 | 77 | U | 268 | 437 | U | - | 5 |
| Alaska | 2 | 6 | - | 1 | 8 | - | 3 | 18 | - | - | - |
| Hawaii | 9 | 8 | - | 34 | 20 | - | 29 | 31 | - | 1 | - |
| Guam | - | - | U | - | 12 | U | - | 3 | U | - | 1 |
| P.R. | 4 | 8 | - | - | - | - | 2 | 5 | - | - | - |
| V.I. | - | - | U | - | - | U | - | - | U | - | - |
| Amer. Samoa | U | U | U | U | U | U | U | U | U | U | U |
| C.N.M.I. | - | U | U | - | U | U | - | U | U | - | U |

N: Not notifiable. U: Unavailable. -: No reported cases.

*Incidence data for reporting year 2001 are provisional and cumulative (year-to-date). Incidence data for reporting year 2000 are finalized and cumulative (year-to-date).

TABLE IV. Deaths in 122 U.S. cities,* week ending
September 1, 2001 (35th Week)

| Reporting Area | All Causes, By Age (Years) | | | | | | P&I [†] Total | Reporting Area | All Causes, By Age (Years) | | | | | | P&I [†] Total | |
|---------------------|----------------------------|-------|-------|-------|------|----|---------------------------|-------------------------|----------------------------|-------|-------|-------|------|-----|---------------------------|--|
| | All Ages | ≥65 | 45-64 | 25-44 | 1-24 | <1 | | | All Ages | ≥65 | 45-64 | 25-44 | 1-24 | <1 | | |
| NEW ENGLAND | 510 | 363 | 99 | 33 | 6 | 9 | 51 | S. ATLANTIC | 1,187 | 731 | 260 | 114 | 39 | 43 | 57 | |
| Boston, Mass. | 145 | 88 | 38 | 12 | 2 | 5 | 18 | Atlanta, Ga. | 177 | 96 | 47 | 20 | 5 | 9 | 5 | |
| Bridgeport, Conn. | U | U | U | U | U | U | U | Baltimore, Md. | 165 | 104 | 34 | 18 | 4 | 5 | 14 | |
| Cambridge, Mass. | 12 | 9 | 3 | - | - | - | 1 | Charlotte, N.C. | 81 | 49 | 18 | 5 | 4 | 5 | 6 | |
| Fall River, Mass. | 26 | 23 | 2 | 1 | - | - | 1 | Jacksonville, Fla. | 136 | 96 | 20 | 13 | 3 | 4 | 12 | |
| Hartford, Conn. | 46 | 36 | 5 | - | - | 1 | 3 | Miami, Fla. | 97 | 59 | 16 | 17 | 2 | 3 | 7 | |
| Lowell, Mass. | 25 | 20 | 4 | 1 | - | - | 2 | Norfolk, Va. | 55 | 22 | 16 | 5 | 3 | 8 | 4 | |
| Lynn, Mass. | 5 | 5 | - | - | - | - | 2 | Richmond, Va. | 74 | 40 | 19 | 3 | 9 | 3 | 2 | |
| New Bedford, Mass. | 19 | 18 | - | 1 | - | - | 3 | Savannah, Ga. | 50 | 30 | 11 | 5 | 1 | 3 | - | |
| New Haven, Conn. | 47 | 30 | 13 | 3 | 1 | - | 4 | St. Petersburg, Fla. | 88 | 49 | 13 | 5 | 1 | - | 5 | |
| Providence, R.I. | 53 | 39 | 8 | 6 | - | - | 2 | Tampa, Fla. | 180 | 118 | 46 | 11 | 5 | 1 | 4 | |
| Somerville, Mass. | 3 | 2 | 1 | - | - | - | - | Washington, D.C. | 104 | 66 | 21 | 12 | 1 | 2 | 2 | |
| Springfield, Mass. | 34 | 23 | 5 | 4 | 1 | 1 | 3 | Wilmington, Del. | U | U | U | U | U | U | U | |
| Waterbury, Conn. | 43 | 29 | 10 | 2 | 1 | 1 | 6 | E.S. CENTRAL | 706 | 488 | 145 | 42 | 18 | 13 | 60 | |
| Worcester, Mass. | 53 | 42 | 6 | 3 | 1 | 1 | 6 | Birmingham, Ala. | 148 | 100 | 31 | 10 | 4 | 3 | 18 | |
| MID. ATLANTIC | 1,608 | 1,131 | 304 | 122 | 28 | 23 | 78 | Chattanooga, Tenn. | 64 | 44 | 12 | 4 | 3 | 1 | 5 | |
| Albany, N.Y. | 49 | 33 | 8 | 1 | 2 | 5 | 4 | Knoxville, Tenn. | 90 | 62 | 24 | 3 | 1 | - | 5 | |
| Allentown, Pa. | 19 | 13 | 4 | 1 | 1 | - | - | Lexington, Ky. | 27 | 22 | 4 | 1 | - | - | 2 | |
| Buffalo, N.Y. | 60 | 35 | 17 | 3 | 3 | 2 | 3 | Memphis, Tenn. | 169 | 124 | 30 | 7 | 4 | 4 | 17 | |
| Camden, N.J. | 15 | 6 | 3 | 4 | 2 | - | - | Mobile, Ala. | 94 | 63 | 19 | 9 | 2 | 1 | 4 | |
| Elizabeth, N.J. | 11 | 8 | - | 2 | 1 | - | - | Montgomery, Ala. | U | U | U | U | U | U | U | |
| Erie, Pa. | 39 | 34 | 4 | 1 | - | - | 4 | Nashville, Tenn. | 114 | 73 | 25 | 8 | 4 | 4 | 9 | |
| Jersey City, N.J. | 24 | 16 | 6 | 1 | 1 | - | - | W.S. CENTRAL | 1,433 | 883 | 312 | 134 | 71 | 33 | 79 | |
| New York City, N.Y. | 1,076 | 742 | 212 | 90 | 16 | 16 | 43 | Austin, Tex. | 73 | 38 | 19 | 11 | 4 | 1 | 4 | |
| Newark, N.J. | U | U | U | U | U | U | U | Baton Rouge, La. | 56 | 31 | 11 | 9 | 4 | 1 | - | |
| Paterson, N.J. | 15 | 9 | 4 | 1 | 1 | - | - | Corpus Christi, Tex. | 59 | 40 | 15 | 3 | 1 | - | 4 | |
| Philadelphia, Pa. | U | U | U | U | U | U | U | Dallas, Tex. | 200 | 107 | 55 | 17 | 12 | 9 | 11 | |
| Pittsburgh, Pa. | 29 | 19 | 6 | 3 | 1 | - | 1 | El Paso, Tex. | 89 | 53 | 21 | 5 | 7 | 3 | 4 | |
| Reading, Pa. | 15 | 12 | 3 | - | - | - | 2 | Ft. Worth, Tex. | 103 | 70 | 22 | 7 | 3 | 1 | 4 | |
| Rochester, N.Y. | 99 | 79 | 14 | 6 | - | - | 8 | Houston, Tex. | 336 | 203 | 65 | 47 | 13 | 8 | 21 | |
| Schenectady, N.Y. | 18 | 17 | - | 1 | - | - | 1 | Little Rock, Ark. | 53 | 33 | 10 | 5 | 4 | 1 | 4 | |
| Scranton, Pa. | 41 | 31 | 8 | 2 | - | - | - | New Orleans, La. | U | U | U | U | U | U | U | |
| Syracuse, N.Y. | 89 | 53 | 11 | 4 | - | - | 11 | San Antonio, Tex. | 201 | 132 | 37 | 14 | 15 | 3 | 12 | |
| Trenton, N.J. | 17 | 12 | 3 | 2 | - | - | 1 | Shreveport, La. | 111 | 71 | 26 | 8 | 3 | 3 | 9 | |
| Utica, N.Y. | 13 | 12 | 1 | - | - | - | - | Tulsa, Okla. | 152 | 105 | 31 | 8 | 5 | 3 | 6 | |
| Yonkers, N.Y. | U | U | U | U | U | U | U | MOUNTAIN | 985 | 647 | 191 | 95 | 31 | 19 | 64 | |
| E.N. CENTRAL | 1,422 | 986 | 281 | 86 | 34 | 34 | 80 | Albuquerque, N.M. | 111 | 73 | 21 | 14 | 1 | 2 | 10 | |
| Akron, Ohio | 37 | 24 | 8 | 3 | 1 | 1 | 2 | Boise, Idaho | 40 | 29 | 10 | 1 | - | - | 3 | |
| Canton, Ohio | 52 | 42 | 8 | 1 | 1 | - | 4 | Colorado Springs, Colo. | 56 | 41 | 4 | 7 | 1 | 2 | 2 | |
| Chicago, Ill. | U | U | U | U | U | U | U | Denver, Colo. | 104 | 61 | 24 | 13 | 4 | 2 | 8 | |
| Cincinnati, Ohio | 85 | 58 | 17 | 5 | 2 | 3 | 2 | Las Vegas, Nev. | 209 | 130 | 51 | 21 | 5 | 2 | 12 | |
| Cleveland, Ohio | 163 | 99 | 37 | 14 | 9 | 4 | 6 | Ogden, Utah | 29 | 20 | 3 | 4 | 1 | 1 | 2 | |
| Columbus, Ohio | 204 | 136 | 44 | 15 | 4 | 5 | 10 | Phoenix, Ariz. | 160 | 101 | 29 | 14 | 8 | 7 | 7 | |
| Dayton, Ohio | 108 | 82 | 18 | 6 | 1 | 1 | 5 | Pueblo, Colo. | 33 | 20 | 8 | 3 | 2 | - | 1 | |
| Detroit, Mich. | U | U | U | U | U | U | U | Salt Lake City, Utah | 120 | 77 | 24 | 10 | 7 | 1 | 10 | |
| Evansville, Ind. | 40 | 33 | 5 | 2 | - | - | 4 | Tucson, Ariz. | 124 | 95 | 17 | 8 | 2 | 2 | 9 | |
| Fort Wayne, Ind. | 70 | 51 | 11 | 4 | 3 | 1 | 3 | PACIFIC | 1,652 | 1,172 | 309 | 102 | 41 | 27 | 124 | |
| Gary, Ind. | 14 | 6 | 6 | 1 | 1 | - | 1 | Berkeley, Calif. | 10 | 10 | - | - | - | - | - | |
| Grand Rapids, Mich. | 43 | 33 | 7 | 1 | - | 2 | 4 | Fresno, Calif. | 133 | 96 | 18 | 10 | 4 | 3 | 10 | |
| Indianapolis, Ind. | 183 | 111 | 50 | 10 | 4 | 8 | 8 | Glendale, Calif. | 37 | 29 | 7 | - | - | 1 | 3 | |
| Lansing, Mich. | 34 | 23 | 8 | 1 | 1 | 1 | 4 | Honolulu, Hawaii | 65 | 48 | 14 | 2 | - | 1 | 3 | |
| Milwaukee, Wis. | 120 | 77 | 27 | 10 | 2 | 3 | 13 | Long Beach, Calif. | 39 | 19 | 15 | 1 | 2 | 2 | 3 | |
| Peoria, Ill. | 32 | 25 | 4 | 2 | - | 1 | 2 | Los Angeles, Calif. | 527 | 360 | 100 | 43 | 15 | 9 | 34 | |
| Rockford, Ill. | 50 | 35 | 8 | 3 | 2 | 2 | 3 | Pasadena, Calif. | 30 | 20 | 7 | 1 | - | 2 | - | |
| South Bend, Ind. | 48 | 39 | 6 | 2 | - | 1 | 7 | Portland, Ore. | U | U | U | U | U | U | U | |
| Toledo, Ohio | 76 | 60 | 10 | 3 | 2 | 1 | 7 | Sacramento, Calif. | 179 | 132 | 26 | 12 | 6 | 3 | 17 | |
| Youngstown, Ohio | 63 | 52 | 7 | 3 | 1 | - | 1 | San Diego, Calif. | 147 | 97 | 31 | 10 | 5 | 4 | 16 | |
| W.N. CENTRAL | 798 | 542 | 160 | 55 | 25 | 16 | 41 | San Francisco, Calif. | U | U | U | U | U | U | U | |
| Des Moines, Iowa | 77 | 49 | 19 | 4 | 2 | 3 | 6 | San Jose, Calif. | 162 | 119 | 31 | 6 | 4 | 2 | 13 | |
| Duluth, Minn. | 27 | 20 | 6 | 1 | - | - | 1 | Santa Cruz, Calif. | 26 | 21 | 4 | 1 | - | - | 3 | |
| Kansas City, Kans. | 41 | 29 | 10 | 2 | - | - | 4 | Seattle, Wash. | 134 | 92 | 26 | 13 | 3 | - | 6 | |
| Kansas City, Mo. | 110 | 74 | 17 | 7 | 9 | 3 | 7 | Spokane, Wash. | 61 | 49 | 9 | 2 | 1 | - | 11 | |
| Lincoln, Neb. | 46 | 37 | 5 | 2 | 1 | 1 | 1 | Tacoma, Wash. | 102 | 78 | 21 | 1 | 1 | - | 5 | |
| Minneapolis, Minn. | 143 | 102 | 25 | 12 | 4 | - | 9 | TOTAL | 10,301 [†] | 6,943 | 2,061 | 783 | 293 | 217 | 634 | |
| Omaha, Neb. | 79 | 56 | 16 | 6 | 1 | 1 | 3 | | | | | | | | | |
| St. Louis, Mo. | 110 | 65 | 29 | 10 | 5 | 1 | - | | | | | | | | | |
| St. Paul, Minn. | 74 | 52 | 15 | 2 | 1 | 4 | 2 | | | | | | | | | |
| Wichita, Kans. | 91 | 59 | 18 | 9 | 2 | 3 | 8 | | | | | | | | | |

U: Unavailable. -/No reported cases.

*Mortality data in this table are voluntarily reported from 122 cities in the United States, most of which have populations of ≥100,000. A death is reported by the place of its occurrence and by the week that the death certificate was filed. Fatal deaths are not included.

[†] Pneumonia and influenza.

[‡] Because of changes in reporting methods in this Pennsylvania city, these numbers are partial counts for the current week. Complete counts will be available in 4 to 6 weeks.

[§] Total includes unknown ages.

Contributors to the Production of the *MMWR* (Weekly)

Weekly Notifiable Disease Morbidity Data and 122 Cities Mortality Data

Samuel L. Groseclose, D.V.M., M.P.H.

State Support Team

Robert Fagan
Jose Aponte
Gerald Jones
David Nitschke
Scott Noldy
Jim Vaughan
Carol A. Worsham

CDC Operations Team

Carol M. Knowles
Deborah A. Adams
Willie J. Anderson
Patsy A. Hall
Mechele A. Hester
Felicia J. Connor
Pearl Sharp

Informatics

T. Demetri Vacalis, Ph.D.

Michele D. Renshaw

Erica R. Shaver

The *Morbidity and Mortality Weekly Report (MMWR)* Series is prepared by the Centers for Disease Control and Prevention (CDC) and is available free of charge in electronic format and on a paid subscription basis for paper copy. To receive an electronic copy on Friday of each week, send an e-mail message to listserv@listserv.cdc.gov. The body content should read *SUBscribe mmwr-toc*. Electronic copy also is available from CDC's World-Wide Web server at <http://www.cdc.gov/mmwr> or from CDC's file transfer protocol server at <ftp://ftp.cdc.gov/pub/Publications/mmwr>. To subscribe for paper copy, contact Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402; telephone (202) 512-1800.

Data in the weekly *MMWR* are provisional, based on weekly reports to CDC by state health departments. The reporting week concludes at close of business on Friday; compiled data on a national basis are officially released to the public on the following Friday. Address inquiries about the *MMWR* Series, including material to be considered for publication, to: Editor, *MMWR* Series, Mailstop C-08, CDC, 1600 Clifton Rd., N.E., Atlanta, GA 30333; telephone (888) 232-3228.

All material in the *MMWR* Series is in the public domain and may be used and reprinted without permission; citation as to source, however, is appreciated.

| | | |
|---|--|---|
| Director, Centers for Disease Control and Prevention Jeffrey P. Koplan, M.D., M.P.H. | Director, Epidemiology Program Office Stephen B. Thacker, M.D., M.Sc. | Writers-Editors, <i>MMWR</i> (Weekly) Jill Crane David C. Johnson |
| Deputy Director for Science and Public Health, Centers for Disease Control and Prevention David W. Fleming, M.D. | Editor, <i>MMWR</i> Series John W. Ward, M.D. Acting Managing Editor, <i>MMWR</i> (Weekly) Teresa F. Rutledge | Desktop Publishing Lynda G. Cupell Morie M. Higgins |

☆U.S. Government Printing Office: 2001-633-173/49007 Region IV

DEPARTMENT OF
HEALTH AND HUMAN SERVICES
Centers for Disease Control
and Prevention (CDC)
Atlanta, Georgia 30333

Official Business
Penalty for Private Use \$300
Return Service Requested

9907 93036 L21365
UNIVERSITY MICROFILMS
SERIALS ACQUISITION DEPT
300 N. ZEEB ROAD
ANN ARBOR MI 48103-1553

000:

FIRST-CLASS MAIL
POSTAGE & FEES PAID
PHS/CDC
Permit No. G-284

